



Martin Ricken

Senior/Lead Developer
Software Architect



+45 2947 7358



kreean@lorique.net

<https://www.lorique.net>
<https://medium.com/@lorique>

References:

Peter Dyrvig Johannesen

@FFW/JAKALA

"High praises and recommendations from my end and from FFW."

Ruben Nørgaard

@YouSee

"Martin is very thorough with his work and does not accept half-baked solutions."

Jens Erik Hummelmose

@Aller Media

"Martin puts great pride in delivering good results, and he's a great architect that listens to the business needs."

Jakob Larsen

@Reveal IT

"Martin is a very dedicated person who goes above and beyond, to ensure the success of the project he is working on."

Profile

I'm a Solution-Oriented, experienced guy who's worked with a broad palette of open-source frameworks and programming languages. I'm always open to finding practical solutions, but refuse to compromise on quality because I don't believe practicality and quality are opposites.

I have great respect for order and the elegance of simplicity. When designing solutions, I try my best to solve simple problems with simple solutions because the more complex a solution becomes, the less likely it is to survive for very long due to maintenance and scaling concerns.

In this age of AI and cyber threats, I believe it's even more important to understand the pitfalls of anti-patterns and the lack of a coherent IT strategy. I have built high-performance, large-scale software, and cutting-edge experimental AI solutions for some of the biggest Danish companies. I bring this experience with me everywhere I go.

Expertise

<ul style="list-style-type: none">• Python 3.x• NodeJS 18.x-22.x• PHP 5.x-8.x• Vue 3 (Vue.js)• React 18-19• SQL<ul style="list-style-type: none">◦ MSSQL◦ PGSQL◦ MySQL◦ NoSQL◦ GraphQL• Flask 2.x-3.x• FastAPI• Django 3.x-5.x• Laravel 5.x-10.x• Symfony 5.x-7.x• AWS<ul style="list-style-type: none">◦ Lambda◦ Cloudformation◦ RDS◦ IAM◦ CloudFront◦ S3◦ CloudTrail• Azure<ul style="list-style-type: none">◦ Pipelines◦ Functions	<ul style="list-style-type: none">• Agile<ul style="list-style-type: none">◦ Scrum◦ Kanban◦ Agile Guilds• Git<ul style="list-style-type: none">◦ Github◦ Github Actions◦ GitLab• Elastic<ul style="list-style-type: none">◦ Elasticsearch◦ Logstash◦ Kibana• Docker• Kubernetes• Terraform• Jenkins• SVN• UML• Auth0 / JWT• Design Patterns• Information Architecture• Privacy by Design• Security by Design• SOLID• LLM, GPT• Machine Learning
--	---

Education

2002-07

Datafagtekniker (Datatechnictian), TEC Ballerup

Courses and Certifications

2019-21

Amazon Web services Cloud Practitioner

Expertise

Skill	Last Used	Level	Years of Experience
Python 3.x	2025	4	8
NodeJS 18.x-22.x	2024	4	3
PHP 5.x-8.x	2025	5	15
Vue 3 (Vue.js)	2024	4	4
React 18-19	2023	3	3
SQL (MSSQL, MySQL, PgSQL)	2024	4	12
NoSQL, GraphQL	2024	3	5
Flask, FastAPI	2024	4	6
Django	2022	2	3
Laravel, Symfony, Drupal	2024	5	12
AWS (Lambda, CloudFormation, RDS, IAM, CloudFront, S3, CloudTrail)	2024	4	8
Azure (Functions, Pipelines)	2021	3	4
Git, Github, GitLab	2025	5	13
Elasticsearch, Logstash, Kibana	2023	4	5
Docker	2025	5	10
Kubernetes, Terrorform	2024	3	5
Design Patterns, UML, X by Design	2024	4	8
Agile, Scrum, Kanban, Agile Guilds	2021	4	13
Microservices, Serverless	2024	4	7

Level:
5:Expert, 4: Very experienced, 3: Experienced,
2: Some experience, 1: Knowledgeable

Freelance

2023-24

Client	Lorique Aps, Copenhagen, Denmark
Role	Developer, Architect, CEO
Project	<p>In August 2024 I started a machine learning security project. The idea was to create an audit log bot, which can detect anomalous actions by users. This also includes understanding context, and looking at not just a single log but a trail of logs.</p> <ul style="list-style-type: none">• Built a "random" audit log generator in python.• Worked with the elastic suite for logs.• Explored elastic ai capabilities and limitations.• Exposed elasticsearch api as GraphQL for machine learning• Built a simplistic deeplearning project using Python, and Tensorflow to explore possibilities. <p>This is an ongoing learning project, to explore how deep learning can be applied to security tasks such as audit log reviews. I'm not sure if there is a product here, but either way I'll learn something.</p>
Tech	Elasticsearch, Kibana, Python 3, Tensorflow.
Methods	Deep learning

Client	Lorique Aps, Copenhagen, Denmark
Role	Developer, Architect, CEO
Project	<p>At the beginning of 2023 I started development on a SaaS platform, designed to fill a gap I saw in the market.</p> <ul style="list-style-type: none">• Built hosting using AWS Lambda, Cloudformation, SNS, CloudFront, DynamoDB.• Built platform using Laravel for API backend, with a decoupled flatfile frontend on S3.• Sought outside funding and investments. <p>The project progressed over the course of 2023, as I sought investments and funding to keep the project running.</p> <p>No funding was secured, and the project was shelved in June 2024.</p>
Tech	Composer, AWS serverless, PHP8, Laravel, NodeJS, Vue, Cloudformation, GitHub.
Methods	SOLID, CI/CD, DevOps, Security by Design, SAAS

2022

Client	None
Role	Leave
Project	<p>In 2022 I decided to focus on my family due to critical illness and multiple deaths in my immediate family. This didn't mean I stopped coding. It just meant I didn't work for clients in 2022.</p> <p>During the year, I worked on setting up my website - and other personal projects - in a GitHub CI/CD to AWS serverless infrastructure pipeline. I also worked on multiple personal python AI projects, including NLP and some image analysis to keep my skills sharp. These projects were mostly "keep busy and keep learning" projects to keep me occupied between family disasters.</p>
Tech	PHP7, Laravel 6, MSSQL, Composer, Docker, Git, GitHub.
Methods	Design patterns, Solution Architecture, Auth0, Agile (SCRUM), OWASP

2021

Client	Aller Media, Copenhagen, Denmark
Role	Lead developer
Project	<p>The project was a return to one of my first assignments as a freelancer. The task was to upgrade existing Drupal 7 sites to Drupal 9 and try to keep some form of flexible platform.</p> <ul style="list-style-type: none"> • Bugfixed issues on across multiple projects, including viunge.dk, elle.dk, femina.dk and seoghoer.dk • Streamlined and updated AWS containers. • Identified and solved bottlenecks as well as scaling issues. • Upgraded single platform from Drupal 9 to Drupal 10 as a PoC for future upgrades. <p>My role - initially - was as senior developer, but the lead dev left a short while into the project so I took over his duties.</p>
Tech	PHP7, Drupal 9, MySQL, Composer, Docker, AWS, jQuery, REST, GitHub.
Methods	Design patterns, Solution Architecture, Agile (KANBAN),

2020-21

Client	FFW Agency, Copenhagen, Denmark
Role	Lead developer / Software Architect
Project	The project was for the agency's end clients, the municipality of Copenhagen's. FFW had won a contract to build a new main website and intranet, and they required some assistance with solution design and problem-solving.

	<ul style="list-style-type: none"> • Led workshops with end clients to add details to the scope of the project. • Set project structure, and development guidelines. • Liaison with end clients IT department and other vendors on issues we faced on the approach selected by the end client. • Implemented project features. • Created a custom search feature for public meeting documents from across the city, going back 30 years. <p>My role was a dual one as both lead developer, and software architect for both the new main website (kk.dk) and the new common intranet.</p>
Tech	PHP7, Drupal 9, MSSQL, Composer, Docker, Azure, jQuery, REST, GitHub.
Methods	Design patterns, Solution Architecture, Auth0, Agile (SCRUM),

2020

Client	Egmont Publishing, Copenhagen, Denmark
Role	Senior Developer
Project	<p>The project was to help with the completion of a new internal platform for organization of B2B purchases. The project had been under development for nine months and was in the final phase.</p> <ul style="list-style-type: none"> • Reviewed full implementation for validation purposes, including base architecture and design patterns used. • Implemented migration from legacy system to the new one. • Optimized performance of models, specifically on read and update, which had significant performance impact. • Validated OWASP compliance in accordance with IT guidelines, covering deployment and hosting.
Tech	PHP7, Laravel 6, MSSQL, Composer, Docker, Git, GitHub.
Methods	Design patterns, Solution Architecture, Auth0, Agile (SCRUM), OWASP.

2019

Client	Maersk Drilling A/S, Copenhagen
Role	Senior Developer
Project	<p>The project was cleaning up a POC of a machine learning application, which, based on sensor data, was supposed to help predict maintenance for drilling equipment.</p> <ul style="list-style-type: none"> • Rebuilt application from PoC to Prototype, using best practices. SOLID principles and open source libraries. • Reviewed datasets with a data scientist, and built normalization steps into the prototype. • Built engine for testing and making models based on normalized data. • Made data ingestion interface, to be later integrated with Azure Data Lake. <p>In cooperation with the data analytics employee, it was decided to rework the application from the bottom up, because the PoC had not been built with further development in mind. The decision was reached to improve maintenance and scalability of the application.</p>

	Upon making the change, many inconsistencies were found in the practice data set, which highlighted the need for individual models for each drilling platform.
Technologies	Python 3, Azure Functions, MSSQL, Azure Data Lake, Kusto Data Explorer (Azure), Docker, Git, Azure Pipelines, Azure DevOps
Methods	Design patterns, Scrum, DevOps, Agile (SCRUM), Unit testing, Git.

Client	Municipality of Copenhagen, Copenhagen
Role	Senior Developer
Project	<p>The project was to assist an on-site development team in creating a new internal tool for calculating maternity- and paternity refunds to various departments of the Municipality. The system had to comply with existing and new rules and local rules on the subject.</p> <ul style="list-style-type: none"> • Built integration interface with payouts. • Reviewed and verified calculation methods with stakeholders. • Built a test suite for the calculation engine. • Bugfixed various issues. • Reviewed requirements for the application with stakeholders, due to concerns within the organization. • Refactored parts of the application into a MVCS architecture, due to future changing requirements and backwards compatibility. <p>A requirement was to integrate this system with systems in charge of payouts, located with an IT vendor to the municipality. This requirement turned up a number of - previously unknown - bugs within the legacy system we were replacing.</p>
Techn	PHP7, SlimFramework, Docker, MSSQL, Git, GitHub.
Methods	Solution Design, Determination of requirements, Design Patterns, Agile (SCRUM)

Client	GLS Kolding, Kolding, Denmark
Role	Senior Developer
Project	<p>This was a short-term project, with the simple goal of replacing an older elastic search, and migration of data.</p> <ul style="list-style-type: none"> • Installed and tested a new version of elasticsearch on existing infrastructure. • Migrated data from legacy elasticsearch to the updated one. • Worked with developers to change the way queries were made, achieving a significant performance boost. • Held an elasticsearch workshop with developers and stakeholders, and documented numerous examples of how to best use elasticsearch. • Made recommendations for how to replace a custom dashboard with a Kibana standard dashboard, and documented how to install and integrate it with elasticsearch on their systems. • Made recommendations for backup and restore of the new

	<p>elastic index.</p> <p>Due to incompatibility between versions, it was deemed safer to make a fresh installation than upgrading the existing one. This added a migration task for me, but stakeholders felt safer knowing that no data would be lost.</p>
Tech	Elasticsearch, Git, Docker, Windows Server 2016, GitHub.
Methods	Debugging, Education

Client	1001biler.dk, Copenhagen
Role	Lead Developer
Project	<p>The project was implementing a new site with integration to a 3rd party car sales database and calculation algorithm. The goal of the project was to provide a new, cheaper way of leasing luxury cars.</p> <ul style="list-style-type: none"> • Held a workshop with the stakeholder about requirements for the new site, and mapped out the project with estimates by feature. • Implemented all requested features on a new platform, including a full re-design of the interface for searching cars- • Integrated new site with 3rd party database, with a price calculation algo based on car features and state.
Tech	PHP7, Laravel, MySQL, AWS: EC2, IAM, JWT, Composer, Docker, VueJS, GitHub.
Methods	Solution Design, Determination of requirements, Devops, Design Patterns.

2018-19

Client	Obviux (Ørsted), Frederiksberg, Denmark
Role	Senior Developer
Project	<p>The project was a fairly advanced billing engine built to take care of processing all energy bills for clients of Ørsted. My role was mostly to assist with development and maintenance of the system.</p> <ul style="list-style-type: none"> • Expanded API features based on new requirements. • Bugfixed various billing engine features. • Improved unit testing for the billing engine. • Built serverless application in python for integration between a new phone app, and the billing engine. • Participated in discussions about the future IT landscape, with the focus of moving more of the application into microservice or serverless applications.
Tech	PHP7, Python3, Laravel, Flask, MySQL, AWS Serverless, AWS: SNS – EC2 – SQS – IAM – RDS, JWT, Composer, Docker, GitLab.
Methods	Design patterns, Scrum, Solution Architecture, Auth0, Microservices, Agile(SCRUM, Kanban), Unit testing.

2018

Client	Unity Technologies, Copenhagen, Denmark
---------------	---

Role	Senior Developer
Project	<p>The project was maintenance and development of various small and big websites in the Unity landscape. My role was initially to assist with development and maintenance of the websites.</p> <ul style="list-style-type: none"> • Development of minor features. • Bugfixes. • GDPR compliance alignment with the rest of the organization. • Developed a stand-alone API for other departments to submit GDPR requests to all the websites at a central point. The API application would then submit those requests to all websites managed by the web team. • Developed and integrated a web module for GDPR requests, such as information, deletes etc. <p>During the project, it became clear that GDPR Compliance was an issue, and I was tasked with aligning this.</p>
Tech	PHP 7, Drupal 8, Redis, MySQL, HTML, CSS, Angular, Git, GitHub.
Methods	Solution Design, GDPR, debugging, Microservices, Agile (Kanban)

2017

Client	YouSee, Copenhagen
Role	Senior Developer
Project	<p>The project was with the middleware department of YouSee. The main task was working on the transformation of their aging streaming middleware platform. The goal was to replace the entire platform with several microservices to achieve all of the payoffs from doing so.</p> <ul style="list-style-type: none"> • Leading role in the implementation of new asynchronous microservices and architecture. • Leading role in the design and implementation of new security initiatives, using ideas like “security by design” and “least possible surface.” • Developed 6 microservices with responsibilities such as login/auth, cloud recording, and bookmarking/Favorites. • Key role in microservice development for interfacing with the YouSee cloud TV device. • Developed integration, load, and performance testing tools.
Tech	PHP7, Laravel, MySQL, Composer, Redis, REST, JWT, Python3, Flask, GitLab.
Methods	Solution design, Security by Design, Auth0, Design Patterns, Microservices. Agile (SCRUM, Kanban), Unit testing.

2016

Client	Linkfactory A/S, Copenhagen
Role	Lead developer / Software Architect
Project	The project was not sharply defined, as the client needed help on a number of tasks because of a lack of resources and experience. Midway through the assignment, a project focusing on IT security using geolocation

	<p>became the sole focus.</p> <ul style="list-style-type: none"> ● Maintenance of Silex og Symfony OOP API'er for mobile integration. ● Built performance-oriented REST API using a new caching approach. ● Lead developer on 3 larger projects and software architect on 5 other projects. ● Sparring with developers to find good solutions to their projects. ● Mentor new developers.
Tech	PHP7, Drupal 7-8, SOAP, REST, ApacheSolr, Memcached, Redis, Symfony 3, Silex, Elasticsearch, GitHub, GitLab.
Methods	Caching, Solution Design, Determination of requirements,, Devops, Design Patterns, Security by Design, Information architecture,, Performance optimization, Agile (SCRUM, Kanban), Unit testing.

2015

Client	TV2, Odense, Denmark
Role	DevOps
Project	<p>The project was to replace a devops engineer while a permanent replacement could be found. The tasks included:</p> <ul style="list-style-type: none"> ● Primary contact for the development team. ● Create POC on the use of SkyDock and SkyDNS, two container orchestration systems. ● Lead discussions on HTTP2 with the DevOps team to share information. ● Security review of current server infrastructure, which led to the decommissioning of 4 servers beyond saving. ● Demonstration of a pentest, which showed how full access to some vulnerable servers could be achieved.
Tech	Python3, Docker (Skydock), CentOS7, ELK Stack, HTTP2, GitLab
Methods	Security review, Risk assessment, System hardening, Pen Testing, DevOps, Agile (Kanban)

Client	Medical company, Remote
Role	Lead Developer
Project	<p>Due to a very strict NDA, the project can only be described in broad terms. The main tasks included:</p> <ul style="list-style-type: none"> ● Development of REST APIs ● Integration with Elasticsearch ● Data anonymization process. ● Setup of hosting and CI with docker containers.
Technologies	Silex, Elasticsearch, PHP7, REST, CentOS, Docker, Redis, Capistrano, Jenkins, GitHub.

Methods	Solution design, Security by Design, Auth0, Design Patterns, Microservices, Agile (Kanban), Unit testing.
----------------	---

2014-15

Client	Adapt A/S, Copenhagen
Role	Developer
Project	<p>The project was not clearly defined, as the client simply needed resources on their development team. Tasks included:</p> <ul style="list-style-type: none"> • Development for clients such as Sportmaster, ATP, and other clients. • Started a systems architect forum for discussion of cross-project solutions to increase productivity and reduce maintenance time. • Assist with determining requirements for mobile solutions created by Adapt Mobile.
Tech	Symfony 2, PHP5, Drupal 7, MySQL, Memcached, Varnish, Redis, Github, GitLab.
Methods	Solution Design, Security by Design, Information Architecture, Design Patterns, Agile (SCRUM, Kanban)

2014

Client	Linkfactory A/S, Copenhagen
Role	Lead Developer / Software Architect.
Project	<p>The project was supposed to be part-time support to a team working on the danish business administration's new website, but only a short while into the project it became clear they needed a more experienced developer than they had available, to act as lead on the project, so this became a full-time project. Time spent on the project was divided into a 50/50 split between information architecture design and development on the project.</p> <ul style="list-style-type: none"> • Made fundamental architecture changes to the platform to better accommodate client needs. • Designed information architecture in cooperation with various area leads inside the business administration. • Design and implementation of the login solution to allow high performance even for logged-in users. • Implementation of agile and quality assurance processes with Linkfactory.
Tech	ApacheSolr, REST, PHP5, Drupal 7, Grails, NemID, MySQL, Memcached, GitHub.
Methods	Solution Design, Security by Design, information architecture, Design Patterns, Agile (SCRUM), Unit testing.

2012-2013

Client	Aller Media, Copenhagen
Role	Lead developer / Software Architect

Employment

2011-12

Client	Berlingske, Denmark
Role	Senior Developer
Project	Hired as senior developer to work on their high performance, very custom, drupal 6 platform. The application ran 12-15 news websites for the company.
Tech	Drupal6, PHP5, MySQL, Memcached, Varnish, Redis, Git, ApacheSolr.

2009-11

Client	Gormlarsen & Zornig, Denmark
Role	Developer
Project	Hired as developer to work on various projects, large and small. The company was a digital agency handling clients such as Dyrenes Beskyttelse, Volvo, DONG, and many others. During the two years I worked there I was on an estimated 50 projects.
Tech	Drupal6, PHP5, MySQL, Memcached, Varnish, Redis, Git, ApacheSolr.

2007-09

Client	TBWA play, Denmark
Role	Junior Developer
Project	Hired as a junior to assist clients with development of websites. The company was a digital agency. Clients included DR, DONG and many others. During the almost two years I worked there, I was a part of an estimated 50 projects, large and small.
Tech	PHP5, MySQL, Memcached, SVN.