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Summary

Passionate Systems Engineer with a robust foundation in web development, I've been an integral part of various startups, including ventures of my own, mastering the journey from conceptualization to product launch.

As the go-to expert for backend systems, DevOps strategies, and secure, scalable architectures, I've shouldered critical responsibilities, turning complex challenges into seamless solutions. My journey has deepened my expertise in graph databases and networks, fuelling innovations in social platforms, robust authorization mechanisms, and dynamic financial systems.

While my passion belongs to platform-agnostic environments and open source projects, enabling flexibility and resilience, I've also navigated the nuances of AWS, Google Cloud, and Azure, adapting to the best tools for the task at hand.

... And if you've made it this far through my tech odyssey, congratulations and thank you. You've endured my humblebragging better than I handle CSS on a bad day. Speaking of which, yes, I do front-end too — when the stars align and my divs decide to cooperate, which happens surprisingly often.

Experience

Full Stack Engineer
Offcenit
Feb 2024 - Present (3 months)

System Architect and Developer
Cryogenetics AS
Aug 2021 - Present (2 years 9 months)

Programming Consultant
BITKRAKEN
May 2014 - Present (10 years)
Consulting company focused at making smart solutions using microelectronics, prototype manufacturing and web integration.

System Developer
FutureXchange
Apr 2022 - Feb 2024 (1 year 11 months)
In my role as a system developer at FXC, I spearheaded the creation of a pioneering authorization system using graph databases. This system was inspired by the principles of Relationship-based Access Control (ReBAC) but evolved to offer a highly flexible and intuitively understandable access control mechanism on a granular level using cryptographic signatures for a zero trust architecture. To

reduce the complexity I made an abstraction layer, making it straightforward to adopt and integrate within various facets of the platform's operations.

I took on the primary responsibility for planning and executing the backend systems' architecture, focusing on a modern and scalable approach. By setting up a monorepository structure, I facilitated the integration and management of microservices, enhancing the development workflow and operational efficiency. My work included configuring the infrastructure through GitOps using Kubernetes using AKS, which provided a robust and flexible environment for deploying and managing our microservices at scale. This also included setting up logging, operators and security tools. In addition I developed event driven backend systems for customer onboarding, dataroom capabilities and also a module system for database drivers and other auxiliary tools (i.e import typescript types from OpenAPI to FE).

Furthermore, I implemented a comprehensive platform agnostic DevOps pipeline that underpinned the microservices architecture based on semver and conventional commits, ensuring a smooth and reliable transition from code commits to deployment. This included employing using a signature validation process and CVE scanning, which verified each stage from the initial commit to the final deployment, ensuring the highest levels of security and reliability were maintained. This approach not only streamlined our deployment processes but also significantly bolstered the platform's overall security posture and operational resilience.

Developer
Brukmat

Feb 2021 - Jan 2022 (1 year)
As a summer project, I developed a recipe and ingredient website which allows users to look up recipes based on ingredients. The project used a Neo4j database and a joined several public datasets for ingredients and their macro and micro nutrients. This allowed users to select a recipe see the exact composition of it. It also allowed users to for example find ingredients and then look up potential recipes.

The project was also a part of BOOST IT hosted by Total Innovation.

Back End Engineer and Graph Database Expert
Sagespot

Jul 2021 - Dec 2021 (6 months)
During my consultancy at SageSpot, I specialized in utilizing my deep understanding of graph networks to architect and implement a cutting-edge recommendation engine. My contributions extended into key areas of the platform, including the enhancement of payment and user systems.

I played a pivotal role in refining our DevOps practices, leveraging GitLab for continuous integration and continuous deployment (CI/CD) processes. Additionally, I employed AWS Lambda and the AWS Cloud Development Kit (CDK) for the efficient setup and management of networks, further demonstrating my proficiency in cloud infrastructure. My work with AWS Neptune was particularly instrumental in underpinning the recommendation engine, enabling sophisticated, scalable graph database solutions.

My efforts at SageSpot were central to optimizing operational efficiency, improving user engagement through the recommendation engine, and ensuring a robust, scalable cloud infrastructure.

Full Stack Developer

Kodeo AS

Jan 2021 - Apr 2021 (4 months)

Laboratory Technician

Statens vegvesen - Norwegian Public Roads Administration

May 2015 - Nov 2015 (7 months)

Primary tasks have been extraction, analysing and reporting of asphalt samples. I have also worked with other tasks that's been involved in the quality control of asphalt.

Secondary tasks have been developing an in-house website for organising and searching documents.

Education

Namdals FHS

Game Development

2014 - 2015

Otta Videregående Skole

Specialization in general studies

2011 - 2014

Skills

Project Management • Gitlab CICD • AWS Neptune • Stripe (Software) • Unity3d • General Data Protection Regulation (GDPR) • SQL • Kubernetes • Nuxt.js • TypeScript