

# MARCUS OLIVER SALO

## DevOps & Full Stack Developer

+1 281 622 4256 @ golddev9697@gmail.com Helsinki, Finland

### SUMMARY

Marcus is a senior full-stack developer who has been creating infrastructures from scratch, from back-end services to front-end applications. He has expertise in Python, Angular, cloud technologies like Azure and AWS, and containerization, and he uses test-driven development (TDD) and clean code practices. Marcus works with Agile methodologies to save time, develop reliable code, and fasten deployment, and he applies DevOps best practices throughout the development lifecycle.

### EXPERIENCE

#### Senior Full stack Developer | Team Leader | DevOps

Boyle 03/2021 - 02/2022 San Francisco, CA

Boyle is an international Technology and Management Consulting Group with a rapid pace development and innovative solutions for demanding projects. I work as a full-stack developer here, responsible for building, deploying and maintaining internal web applications.

- Led a team of 20+ developers in the development of an AI-powered chatbot for customer service, using Python and React.
- Collaborated with data scientists to integrate machine learning models into the chatbot, improving its accuracy and efficiency.
- Implemented continuous integration and deployment (CI/CD) pipelines using Jenkins and Docker, reducing deployment time by 50%.
- Conducted code reviews and mentored junior developers, improving code quality and team productivity.
- Worked closely with product managers and stakeholders to gather requirements and prioritize features, ensuring timely delivery of the project.

#### Full Stack Developer | Backend, Security

StickmanCyber 10/2018 - 10/2020 Port Macquarie, Australia

- Implemented a web application used by different organizations to manage their payment systems.
- Led the delivery and development of an SPA tool using Angular6 with a .NET Core back end in order to compare the cost of an application over its lifecycle vs. a competitor model.
- Reviewed and tested code of other developers to monitor app performance and code quality.
- Planned and created database architecture of a large-scale complex mobile app.
- Worked on performance enhancement of an existing mobile app which got tremendous improvement after optimization.
- Managed server deployment to AWS ECS, EC2, and lambda functions for microservices.
- Converted existing desktop web application to mobile responsive app.
- Integrated Stripe API for mobile application payment system.

#### Full Stack Developer | FrontEnd, Mobile App

Ekimetrics 07/2016 - 07/2018 Paris, France

Ekimetrics is a universal digital loyalty program that offers unique and fun rewards at the places you love.

- Led a team of 7 developers in the development of a new mobile app using React Native and Firebase.
- Collaborated with the UX team to design and implement a user-friendly interface that resulted in a 20% increase in user engagement.
- Implemented a serverless architecture using AWS Lambda and API Gateway, resulting in a 30% reduction in infrastructure costs.
- Conducted regular code reviews and implemented best practices to ensure code quality and maintainability.
- Developed a CI/CD pipeline using CircleCI and Fastlane, resulting in faster and more reliable app releases

### EDUCATION

#### Bachelor Degree in Computer Science

Aalto University

2011 - 2014 Espoo, Finland

GPA  
9.2 / 10.0

### SKILLS

#### Client-Side

HTML CSS JS Angular React  
Next Vue Gatsby Redux  
TypeScript Web3 MUI Tailwind  
ECMA6 Bootstrap

#### Server-side

Python Go Rust Django Node  
Express PHP Laravel Redis  
MongoDB PostgreSQL MySQL  
MDB AWS Solidity Smart Contract

#### DevOps

Networking Visualization POSIX  
Sockets Ubuntu/Debian  
RHEL/Derivatives Bash Scripting  
Vim/Nano/PowerShell/Emacs  
Security and Protocols Proxy Firewall  
Nginx Apache Docker ArgoCD  
Istio Consul Kubernetes Ansible  
Terraform Elastic Stack AWS  
Google Cloud Digital Ocean Jaeger

Grafana Vault SOPS

#### Development & Operations

JUnit NUnit PyUnit TestCafe  
Mocha Jest Scrum Agile GIT

## EXPERIENCE

### Full Stack Developer | PHP, Laravel

SORACOM

📅 05/2015 - 02/2016 📍 Palo Alto, CA

Keeling Group is a leading Digital Product Studio in California, helping companies to thrive on mobile apps, the web, VR/AR and IoT.

- Implemented a RESTful API architecture to improve the system's flexibility and scalability.
- Developed custom APIs and integrated third-party APIs to enhance the functionality of the system.
- Implemented caching and optimization techniques to improve system performance.
- Developed custom modules and plugins to enhance the functionality of the platform.

## PROJECTS

### Symmetry Financial Group

🔗 <https://www.sfglife.com/>

#### Insurance Project | Django, Python

- As a senior Django Python Backend Developer, I leveraged my extensive technical expertise to implement innovative solutions for the company site upgrade project.
- One example of this is designing and implementing a robust data processing pipeline that enabled efficient handling of large volumes of insurance plan options from multiple providers.
- I also implemented advanced caching mechanisms to optimize site performance and reduce load times for users.
- To ensure security and compliance with industry standards, I incorporated rigorous encryption and access control measures for sensitive user information.
- Additionally, I integrated machine learning algorithms to analyze user behavior and preferences, providing personalized plan recommendations.
- Through extensive testing and debugging, I guaranteed the reliability and scalability of the final product in preparation for high traffic volume.
- Overall, my senior technical solutions played a crucial role in enhancing the user experience and driving business growth for the company.

### Atheneum

🔗 <https://www.atheneum.ai/>

#### Knowledge-brokering platform | Redis, Node, ElasticSearch, MySQL

- The platform was built using React, Node.js, MySQL in a master-slave configuration, ElasticSearch, Redis. It also has a custom Chrome plugin.
- In production, three app instances were load-balanced to handle the load properly.
- It has three different sub-apps: for company employees, for clients, and for experts, which were organized in a micro front-end setup.
- The app was running almost 24/7, with super short deployment downtimes. Sometimes deployments were handled with no downtime whatsoever.

### LEONICORN

🔗 <https://dex.leoniconswap.com/>

#### Blockchain Swapping Project | React, PWA, Lodash, Web3, Smart Contract, Solidity

- Translated Photoshop design to front-end using React.
- Built bridge between Ethereum and Binance using solidity.
- Made contracts between same chains for user convenience.
- Created interaction between front-end and smart contract using web3.js. Built functionality to connect crypto wallets (Metamask, Walletconnect, Coinbase) using web3.js
- Introduced lazy rendering on token lists for project

## CERTIFICATION

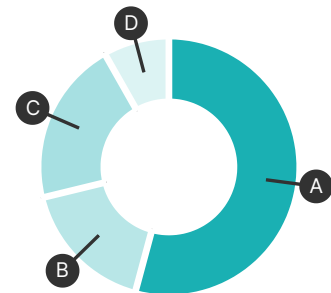
### AWS Certified DevOps Engineer - Professional

OCTOBER 2017 - OCTOBER 2019

### Artificial Intelligence (AI)

MAY 2016 - PRESENT

## MY TIME



- A Development | Django, Python, React, Next
- B Researching New Technology | AI, VR, Crypto
- C Life Time | Building Strong Relationship
- D Sports and Music | Basketball, Tennis, Hip hop

## LANGUAGES

Finnish	Native
English	Proficient

## MY LIFE PHILOSOPHY

**Learning is a Continuous Journey**  
I believe that learning is a lifelong journey that never truly ends. There is always something new to discover and explore, whether it be a new programming language, a cutting-edge technology, or a fresh perspective on an old problem.

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