Serge Durand
Software Engineer and Full Stack Developer

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sergedurand205

SUMMARY

Pragmatic and experienced software engineer who is well-versed in technology and writing code to create reliable and user-friendly systems that solve interesting problems. I'm also a skilled leader who has proven the ability to educate and manage a team of professionals to build software.

EXPERIENCE

Open Source Maintainer
10/2022 - Present
URL Shortener - tinyy.ink | youtu.be/xX9J4LlkRl8

• Developed an open-source project that convert long links into shorter ones. It supports QR code generation and statistics

with chart.js

• A Redis-based cache server is leveraged for high-performant and near real-time reads.
• Uses CAPTCHA to enhance security by preventing bots and DOS attacks.
• Tech stack consists of Django, MySQL and TailwindCSS.

Senior Javascript Developer
06/2022 - 08/2022
Thesis Follow up - edc-stg.online | youtube.com/watch?v=cA_qa--z-ls

• Managed a team of 5 developers in the development of a University platform for postgraduate students, using the MERN stack.
• Implemented a robust API for front and backend communication and raised throughput of CORS requests by over 30% by using a Priority Queue data structure to prioritize incoming server requests.
• Reduced completion date by 1 week by applying Agile methodologies and using Jira to track issues and project evolution.

Software Developer
12/2019 - 03/2022
TechniqConsulting

• Collaborated with product managers to re-architect a multipage web-app to a single page app, boosting yearly revenue by over 30%.
• Implemented CI/CD pipelines using Jenkins and GitHub Actions which enabled rapid prototyping and improved time-to-market by more than 50%
• Tested software for bugs and operating performance using tools like Jest, unittest and selenium, added documentation, and fixed bugs to increase efficiency by over 35%.
• Suggested using the appropriate technologies and tools per project which in turn increased time-to-production by over 2 weeks.

Python Developer
06/2021 - 10/2021
CS Portal - camerschools.site | youtu.be/6LdmxpaATBs

• Developed a platform that offers many services to users such as a marketplace, Q/A section and discussion section, among others.
• Implemented a microservices architecture using Docker which uses a Postgres database, all served with Django.
• Used Amazon S3 to host static and media files, and deployed project on the cloud via Azure App Service.
• Scores 97% Performance, 94% Accessibility and 92% Best Practices on PageSpeed Insights.

EDUCATION

Computer Science   2022
University of Yaoundé 1 - Bachelor's degree

- I led a team that developed a platform for my university to follow up the thesis of postgraduate students.

CERTIFICATES

DevOps Essentials (IBM)   11/2022 - Present

Enslish Speaking - Expert (Emmersion)   12/2022 - 04/2023

SKILLS

Docker   Nodejs & Expressjs

CI/CD & DevOps   SQL & NoSQL

Python & Django   Project Management

JavaScript & TypeScript   Software Testing

Reactjs & Nextjs

LANGUAGES

English   Native   French   Native