

Salim Djerbouh

SOFTWARE ENGINEER · FULL-STACK WEB DEVELOPER

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Summary

Software engineer, full-stack web developer, and DevOps/SysAdmin. Extensive experience in developing and maintaining high-traffic, data-intensive, and feature-rich web-facing applications and APIs. Over seven years of experience specializing in back-end development, infrastructure engineering, and CI/CD pipelines automation. Super nerd with a critical mindset, who loves Vim, macOS, and Linux, enjoys setting up and customizing development environments. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools when the need arises.

Skills

Programming	Pure functional, object oriented in PHP, Javascript ES6, C#, Python, Shell Scripting, bits of Golang and Ruby.
Engineering	Systems architecture, optimizing performance, data transformations, access control & security, testing, Modular design...
Languages	English, Arabic, French and Dutch.
Front-end	Designing interfaces, screens responsiveness, state management, reactivity, animation, accessibility, bundling, tree shaking...
Back-end	Databases like Postgres, caching, routing, validation, authentication, billing, creating and consuming REST APIs...
DevOps	Deployment, version control, server administration and maintenance, networking, containers, virtualization, error reporting...
Tools	Jira, Confluence, Obsidian, Git, Swagger and Postman.

Work Experience

DiDCentral, LLC

FULL-STACK WEB DEVELOPER

[Remote](#)

July. 2023 - Present

- Built a queue based system to transcribe VoIP calls and catch fraudulent ones via a machine learning model.
- Created a CRM for managing customers and their invoices.
- Built the RoboGuard product which blocks bad actors from ISP networks.
- Created a system to trap future calls in honeypots to process by the system.
- Creating a mission control system analytics dashboard for customers network insights and for AU/US government regulation compliance.

Le Four Numérique

FRONT-END DEVELOPER

[Remote](#)

July. 2023 - October. 2023

- Implemented design wireframes as an interactive web application.
- Created a progressive web application for automobile insurance companies.
- Handled complex industrial user interfaces for workshops.

Upwork

FREELANCE FULL-STACK WEB DEVELOPER

[Remote](#)

Jan. 2023 - Present

- Built a full-stack web-app for a financial management platform.
- Built a multi-tenancy modular architecture SaaS product.
- Built a full-stack webapp for a travel agency with Laravel and Vue.
- Fixing and/or improving deployment setups for various apps.

OrderSpark

BACKEND DEVELOPER, DEVOPS LEAD

[Remote, USA \(Freelance\)](#)

Oct. 2022 - Jan. 2023

- Built management portal UI and backend (Laravel Nova).
- Built marketing site API.
- Handled all DevOps infrastructure and software architecture.
- Organized, secured, cleaned up and documented system resources thereby reducing operating costs.

One Potato, Ltd

FULL STACK WEB DEVELOPER

[Remote, USA \(Freelance\)](#)

Oct. 2022 - Dec. 2023

- Setup a staging server/environment eliminating bugs in acceptance phase.
- Redesigned the deliveries page significantly improving the user experience.
- Fixed frontend edge cases bugs.
- Refactored and cleaned up parts of the codebase to enhance maintainability.
- Developed a weekly total billing component.

American National Hockey League.

Remote, USA (Freelance)

BACKEND ENGINEER, DEVOPS

Jan. 2022 - May. 2022

- Debugging and maintaining a Django framework based admin panel.
- Connecting uploaded audio file briefs to AWS S3 with Amazon Alexa.
- Maintaining deployments on Heroku.
- Audited and mitigated unnoticed security advisories.

Shyfter, SRL.

Brussels, Belgium (Remote)

BACKEND ENGINEER, DEVOPS ASSIST

Feb. 2021 - Aug 2022

- Integrated government services with compliance to security requirements like Dimona and audited and mitigated unnoticed security advisories.
- Switched deployment infrastructure improving runtime performance by 34% and reducing costs by almost 900%.
- Worked on customer exclusive features and requirements.
- Built Redis based queue system and moved long processing operations to background jobs.
- Migrated legacy codebase from pure procedural PHP to reusable service classes resulting maintainability.
- Refactored code base reducing algorithmic complexity and also enforced coding standards for consistency.
- Built a printable dynamic GATT documents and assisted frontend team on API consumption.

Salesforce, Inc

San Francisco, California (Remote)

FULL-STACK WEB DEVELOPER

June. 2021 - December 2021

- Wrote the full test-suite for Unit, Feature and Browser QA tests.
- Developed and maintained CI/CD pipeline on GitHub with actions and Heroku deployments as well as review apps on branches connecting everything to Jira development board.
- Audited and mitigated unnoticed security advisories.
- Eliminated bottle-neck performance issues.
- Created bulk CSV import for customer invitations thereby improving leads generation.
- Improved UX by building a campaign flow saver.
- Added a way for managers to flag users as (free access) so they don't get charged via Stripe.
- Automated fixing Salesforce branding via GitHub actions.

Didata LLC.

Zürich, Switzerland

FULL STACK SOFTWARE ENGINEER

March. 2019 - April. 2020

- Wrote example testing data seeders for BioLab research application.
- Implemented an ACL architecture for Backend API.
- Wrote mutations mapping module for state management following the Flux pattern for the Frontend application.
- Implemented several CRUD models.

Honors & Awards

INTERNATIONAL

2016-2024 **Top %4**, Overall Stack Overflow members.

International

2018-2020 **Top #37**, PHP ranking GitHub awards.

Amsterdam,
Netherlands

Presentation

GDG Conference

Blida, Algeria

PRESENTER FOR <MACHINE LEARNING THEORY>

Nov. 2017

- Introduced the theory of machine learning genetic algorithms with an analogy of evolutionary biology.
- Introduced how machine learning algorithms work with an implementation of an SAT resolver in symbolic regression.

OpenMinds Linux install party

Algiers, Algeria

SPEAKER <A LOOK INTO THE KERNEL INTERNALS>

Apr. 2017

- A brief talk about the Linux kernel source tree and subsystems with a short introduction to OSDev.

Education

Lounici Ali University

Blida, Algeria

FINAL YEAR ENGLISH LITERATURE

Sep. 2013 - Jan. 2016

- American history, civilization & literature.
- Studied English linguistics and works of Noam Chomsky.