

# Salim Djerbouh

BACKEND HEAVY · FULL-STACK WEB DEVELOPER

Résidence Ouarsenis, Akid Lotfi, Oran, Algeria

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## Summary

Full-stack web developer and DevOps/SysAdmin. Extensive experience in developing and maintaining large web based applications. Over six years experience specializing in backend development, infrastructure engineering, CI/CD pipelines automation. Super nerd who loves Vim, macOS, 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

<b>DevOps</b>	Linux, Docker, Vagrant, Sentry, Travis CI, GitHub Actions, CloudFlare, Stripe, Algolia, Pusher, Heroku, Digital Ocean and GCP.
<b>Back-end</b>	Laravel, NodeJS, MySQL, Redis, creating and consuming REST APIs.
<b>Front-end</b>	Vue.js 2/3, VueX/Pinia, Nuxt JS, WebPack, Vite, HTML5, CSS3, Vuetify Material, Bootstrap, jQuery, Jekyll and Tailwind CSS.
<b>Programming</b>	PHP, Javascript ES6, C#, Python, Shell Scripting, bits of Golang and Ruby.
<b>Engineering</b>	Unit Testing QA and TDD, ACL, DAL, DTO, Modular architecture and web services.
<b>Tools</b>	Jira, ClickUp, Notion, Obsidian, VCS (Git), Swagger and Postman.
<b>Languages</b>	English, French and Arabic.

## Work Experience

### Zimou Express

FULL-STACK WEB DEVELOPER

Oran, Algeria

May. 2023 - Present

- Built a billing module to manage subscriptions with a dashboard and subscribable webhooks.
- Helped the manager organize the team's deliverables workflow thereby improving visibility of progress.
- Building modules integration setup for the ERP.

### Upwork

FREELANCE FULL-STACK WEB DEVELOPER

Remote

Jan. 2023 - Present

- Built a full-stack webapp for a financial management platform.
- Built a multitenancy 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.

BACKEND ENGINEER, DEVOPS

Remote, USA (Freelance)

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.
- Improved managers users invite experience by building bulk CSV imports/exports.
- 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.

## Zidweb, LLC.

Oran, Algeria

CO-FOUNDER, CTO AND LEAD DEVELOPER

Feb. 2020 - Feb. 2021

- Provisioned an easily manageable hybrid infrastructure(Digital Ocean Droplets + On-premise) utilizing IaC tools like Sentry and OpenVPN.
- Manage all DevOps and third party services integration (CloudFlare, Forge, Algolia, Pusher, Vonage).
- Implemented, documented RESTful API server for directory listing application.
- Wrote and deployed several small scale apps like shopping carts.
- Restructured a +40 million records database of automotive spare parts catalog and implemented a web interface for it.
- Created Backend in Laravel + Frontend in NuxtJS for an ELO Boosting gaming service.

## 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

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### INTERNATIONAL

2016-2023 **Top %4**, Overall Stack Overflow members.

International

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

Amsterdam,

Netherlands

## Presentation

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### 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

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### 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.