

Djerbouh Salim

BE HEAVY · FULL-STACK WEB DEVELOPER

Résidence Ouarsenis, Akid Lotfi, Oran, Algeria

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Summary

Full-stack web developer and DevOps/SysAdmin. Participated in developing and maintaining large web based applications. 6+ years experience specializing in the backend development, infrastructure engineering, CI/CD pipelines automation. Super nerd who loves Vim, macOS and Linux and enjoys to customize all of the development environment. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools when the need arises.

Skills

DevOps	Heroku, Linux, Docker, Vagrant, Sentry, Travis CI, GitHub Actions, CloudFlare, Stripe, Algolia, Pusher, Vonage
Back-end	Laravel, NodeJS, MySQL, Redis, REST API, Swagger, Postman
Front-end	VueJS 2/3, Vuex/Pinia, Nuxt, WebPack, Vite, HTML5, CSS3, Vuetify Material, Bootstrap, jQuery
Programming	PHP, Javascript ES6, C#, Python, Shell Scripting
Engineering	Jira, Figma, ClickUp, Notion, VCS (Git), Unit Testing QA and TDD, ACL, DAL, DTO
Languages	English, French, Arabic

Work Experience

Salesforce, Inc

San Francisco, California

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.
- Built Redis based queue system and moved long processing operations to background jobs.
- Worked on end-to-end features as part of a larger team, took responsibility of instantly pushing bug fixes as they arrive on Sentry and Bugsnag.
- Building campaign manager assets through Cloudinary API was dying in the background and it was hard to debug and tell what went wrong, I integrated Laravel Horizon & a queue worker dyno on Heroku that immensely helped developers maintain a healthy codebase.
- Managers had the futile task of manually inviting users from Salesforce CRM to the campaign builder, I wrote a script to parse users export as CSV files, I created an admin panel where a manager can upload the CSV and it send out email invitations for people to register and because the project is deployed in the Heroku platform that Salesforce owns, I wrote a bash script to execute seeders and artisan commands on the release phase.
- Users leave their campaign builder form open in the office so I wrote a frontend code to detect inactivity and send an API request to auto logout and invalidate session (saving current unsubmitted work) at a configurable interval.
- Added a way for managers to flag users as (free access) so they don't get charged via Stripe.
- Sometimes logos get rendered incorrectly on top of certain backgrounds, I used Cloudinary API to intelligently invert or place the logo on a proper background.
- Certain developers and HTML designers kept on misspelling the brand name Salesforce, so I created a GitHub action that combs through the entire codebase and automatically correct the spelling with a bash script that uses grep and sed.

Order Spark

Remote, USA (Freelance)

BACKEND DEVELOPER, DEVOPS LEAD

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.

One Potato, Ltd

Remote, USA (Freelance)

FULL STACK WEB DEVELOPER

Oct. 2022 - Present

- Setup a staging server/environment.
- Redesigned the deliveries page.
- Fixed frontend VueJS bugs.
- Refactored and cleaned up parts of the codebase.
- Developed a weekly total billing component.

American National Hockey League.

BACKEND ENGINEER, DEVOPS

Remote, USA
Jan. 2022 - May. 2022

- Debugging and maintaining a Django 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.

BACKEND ENGINEER, DEVOPS ASSIST

Brussels, Belgium
Feb. 2021 - Aug 2022

- Integrated government services with compliance to security requirements like Dimona and audited and mitigated unnoticed security advisories.
- Advised and moved the company's backend from serverless Google Cloud Run to Google dedicated servers which resulted in a faster performance and response time as well as to GitHub for a more streamlined deployment pipeline and CD productivity.
- 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.

Zidweb, LLC.

CO-FOUNDER, CTO AND LEAD DEVELOPER

Oran, Algeria
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.

FULL STACK SOFTWARE ENGINEER

Zürich, Switzerland
March. 2020 - 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

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

International
Amsterdam,
Netherlands

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

DOMESTIC

2020 **1st Place**, Most Active GitHub contributor

Algeria

Presentation

GDG Conference

PRESENTER FOR <MACHINE LEARNING THEORY>

Blida, Algeria
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

CSC Club VCS event

SPEAKER <PRODUCTIVE GIT AND GITHUB WORKFLOWS>

Blida, Algeria
May. 2017

- A step by step guide & live demo of GitHub teams workflow, from forks to clones to issues and pull requests to merges and releases.

OpenMinds Linux install party

SPEAKER <A LOOK INTO THE KERNEL INTERNALS>

Algiers, Algeria
Apr. 2017

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

Education

Lounici Ali University

FINAL YEAR ENGLISH LITERATURE

Blida, Algeria
Sep. 2013 - Jan. 2016

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