

# Djebouh Salim

BACKEND ENGINEER · CHIEF TECHNOLOGY OFFICER

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## Summary

Current Chief Technology Officer and Lead Developer at start-up company Zidweb. 5+ years experience specializing in the backend development, infrastructure automation, and data structures and pattern architecture. Super nerd who loves Vim, Linux and OS X 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 if the need arises.

## Skills

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|--------------------|---|
| <b>DevOps</b>      | Linux, Digital Ocean, Vagrant, Travis CI, GitHub Actions, CloudFlare, Stripe, Algolia, Pusher, Vonage |
| <b>Back-end</b>    | Laravel, NodeJS, ASP.NET Core, MySQL, Redis, REST API, Swagger  |
| <b>Front-end</b>   | VueJS, VueX, Nuxt, WebPack, Babel, HTML5, CSS3, Vuetify Material, TWBS, jQuery                        |
| <b>Programming</b> | C#, PHP, Python, Perl, Java, Ruby, Objective-C, Swift, C/C++, BASH, ASM x86_64 AT&T, D                |
| <b>Languages</b>   | English, French, Arabic   |

## Work Experience

### Zidweb, LLC.

Oran, Algeria

CO-FOUNDER, CTO AND LEAD DEVELOPER

Feb. 2020 - Present

- Provisioned an easily manageable hybrid infrastructure(Digital Ocean Droplets + On-premise) utilizing IaC(Infrastructure as Code) tools like Sentry and OpenVPN
- Manage all DevOps and third party services integration (CloudFlare, Forge, Algolia, Pusher, Vonage)
- Built fully automated CI/CD pipelines on Travis CI and GitHub Actions for containerized applications using Docker and Vagrant.
- Implemented, documented RESTful API server for directory listing application(Easy Help in Google Play).
- 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 a medical platform to manage requests for operations abroad as well as handle transportation and hotel booking
- Created Backend in Laravel + Frontend in NuxtJS for an ELO Boosting gaming service.

### Didata LLC.

Remote | Zürich, Switzerland

FULL STACK SOFTWARE ENGINEER

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

### Upwork.

Remote | Germany

FREELANCE BACKEND DEVELOPER

Feb. 2020

- Wrote and integrated a library for ActiveCampaign mailing lists and contact
- Upgraded framework and libraries versions and refactored code accordingly

### EURL PAKIKI

Remote | Kuala Lumpur, Malaysia

ACCOUNTING AND RESEARCH OPERATIONS

Nov. 2019 - Dec. 2019

- Implemented several data collection and visualization graphs for sales and expenses of the corporation
- Created an instant search iPad application implementing Algolia as well as Apple ARKit 4 for vendors in showrooms
- Installed an configured an RTMP server for live camera feed

### A-Tech Solutions LLC.

Algiers, Algeria

FULL STACK WEB DEVELOPER

Jan. 2019 - March. 2019

- Wrote an HRM Module in ASP.NET Core for an ERP Platform
- Ported an existing application to Linux environment
- Wrote a CRUD view module in AngularJS

### SARL TPHST.

Algiers, Algeria

INTERNATIONAL RELATIONS CONSULTING AND IT SUPPORT

Feb. 2018 - Sep. 2019

- Managed foreign partners (BSolar, AcoClara, Aquamarine and Leica) meetings, calls and emails
- Done market research for importing machinery from the EU
- Created an API client in C for fingerprint based office employees check-in device
- Configured cloud based backing and syncing services for documents across the administration
- Automated documents scanning by integrating a third party OCR service in Windows

## Bitshopit

CO-FOUNDER AND LEAD DEVELOPER

- FIFA 2018 video streaming site, implemented RTMP, Redis queues, ffmpeg encoding, VideoJS HLS and Google IMA VAST
- Database architecture, business logic and API integration of Binance cryptocurrency exchange platform
- Created a webfront site for a medical clinic and managed its SEO to top Google hits and Alexa rank

*Algiers, Algeria*

*Apr. 2018 - Dec. 2018*

## AlgoTech Orestor LLC.

LEAD DEVELOPER AND SYSTEM ADMIN

- Created an automated online store shopping cart with themes and ordering system
- Implemented the deployment infrastructure on Linux Debian via bind9 and automated nginx configuration

*Algiers, Algeria*

*Mar. 2017 - Dec. 2017*

## MNI Martship

FULL STACK WEB DEVELOPER

- Wrote the RTL version of the shopping section on company's site
- Implemented responsive and re-sizable media for faster page loads

*Remote | Quebec, Canada*

*Jun. 2017, Aug. 2017*

## Galaxy EDU

FULL STACK WEB DEVELOPER

- Created a web based private school management system with online level testing system and evaluation
- Wrote Microsoft Office Excel add-ons in VBA to integrated an HRM module

*Boumerdas, Algeria*

*Aug. 2016, Mar. 2017*

## Honors & Awards

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### INTERNATIONAL

2016-2021 **Top %5**, Overall Stack Overflow members

*International*

2018-2021 **Top #37**, PHP ranking GitHub awards

*Amsterdam,  
Netherlands*

### DOMESTIC

2021 **1st Place**, Most Active GitHub contributor

*Algeria*

## Presentation

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### GDG Conference

PRESENTER FOR <MACHINE LEARNING THEORY>

- 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

*Blida, Algeria*

*Nov. 2017*

### CSC Club VCS event

SPEAKER <PRODUCTIVE GIT AND GITHUB WORKFLOWS>

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

*Blida, Algeria*

*May. 2017*

### OpenMinds Linux install party

A LOOK INTO THE KERNEL INTERNALS>

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

*Algiers, Algeria*

*Apr. 2017*

## Education

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### Harvard University

HARVARD CS50

- Passed final tests creating a web server and reverse proxy in C.

*Remote*

*Oct. 2017 - Jan. 2018*

### USTHB University

FIRST YEAR MATHS AND COMPUTER SCIENCE

- Dropped out due to outdated material and language barrier (French), switched to self education

*Algiers, Algeria*

*Sep. 2016 - Oct. 2017*

### Lounici Ali University

FINAL YEAR ENGLISH LITERATURE

- Dropped out due to lack of interest, switched to computer science

*Blida, Algeria*

*Sep. 2013 - Jan. 2016*