



Gabriel Radzki

França

COMPUTER ENGINEER

EXPERIENCE

SENIOR BACKEND ENGINEER

Asimov Inc. - Boston, MA
March, 2022 - February, 2024

- Development of Kernel, a cloud-based genetic design software.
- Integration of multiple auxiliary systems, such as simulators and optimizers (bio) using background workers + pub/sub.
- Setup GitHub Codespaces environment for fast onboarding.
- Implemented a fast search system for DNA parts using ElasticSearch.
- File processing and data extraction from common bio formats such as GenBank and FASTA.

Technologies

Frameworks & Tech: FastAPI, Graphene, PostgreSQL, Strawberry.
Languages: Python, Typescript.
Tools & Services: Auth0, Datadog, ElasticSearch, Pulumi
GCP Stack: BigQuery, Cloud Storage Pub/Sub, SQL.

FULL-STACK SENIOR DEVELOPER / TECH LEAD

Ilubo Ltda. - POA, RS
May, 2017 - March, 2022

- Development and architectural design of highly scalable business software.
- Distributed cloud software development.
- Reverse engineering network IoT protocols and executables.
- High-level and low-level debugging.
- Interns training.

Technologies

Frameworks & Tech: Flask, Django, AngularJS, ReactJS, React Native.
Languages: Python, Javascript, C, C++, Bash, DOS.
Tools & Services: Auth0, Datadog, Sentry, GHidra, gdb..
AWS Stack: API Gateway, DynamoDB, S3, Lambda, EC2, ECS, ECR, OpenSearch, SQS, SES, RDS, Cognito, Redis, IoT Core.

About

I am a goal-oriented Computer Engineer, who is passionate about technology, with great skills and willing to learn new things. I stick around and don't jump ship easily. I am also a maker, and a DIY freak.

Contact

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Personal Blog: <https://radzki.github.io>
LinkedIn: [@gabrielradzki](https://www.linkedin.com/in/gabrielradzki)
[Lattes Resume](#)

Languages

Portuguese	●●●●●
English	●●●●●
Spanish	●●●●○
French	●●○○○
Italian	●●○○○

Additional Education

- Microsoft Students to Business (2014)
- Wizard Language School - English (2007-2011)
- LEGO Mindstorms NXT (2008)

Hard Skills

- Software
- Hardware
- Linux
- Reverse Engineering
- Research and Development
- Offensive Security
- Cloud Computing
- Electronics
- Microcontrollers
- Googling

Soft Skills

- Motivation
- Communication
- Independence
- Resilience
- Work under pressure
- Adaptability

FULL-STACK DEVELOPER

Ubistart - POA, RS
June, 2016 - June, 2017

- Software development for several clients.
- E-Commerce, Payment Gateways Integration.

Technologies

Frameworks & Tech: AngularJS, Laravel.

Languages: PHP, Python, Javascript, SQL.

AWS Stack: EC2, RDS.

INTERM / JUNIOR RESEARCHER

High Performance Laboratory - PUCRS
June, 2015 - September, 2016

- Development and basic research on sizing techniques, hypervisors and other virtualization mechanisms.
- Creation and development of a mobile cloud testing platform for automated testing using OpenStack.
- Clusters' hardware and software maintenance.

Technologies

Frameworks & Tech: OpenStack, VMWare EXSi.

Languages: C, C++, Bash, Python, Javascript.

INTERM

Energy Efficiency Laboratory- PUCRS
March, 2014 - November, 2014

- Basic software development.
- Problem solving on IT demands.
- Research on energy efficiency techniques.

Technologies

Languages: C#, Javascript.

EDUCATION

PONTIFICAL CATHOLIC UNIVERSITY OF RIO GRANDE DO SUL - PUCRS

Undergraduate Student | 2014 - 2021

Computer Engineering Degree. [University degree.](#)

ACADEMIC HIGHLIGHTS

- Highlight trophy - Scientific Initiation Hall - PUCRS, 2014.
- Maximum score on undergraduate thesis "*Low cost and energy sufficient phishing awareness system*" - PUCRS, 2021.

PUBLICATIONS

- Mobile Application Testing on Clouds: Challenges, Opportunities and Architectural Elements. In: 25rd Euromicro International Conference on Parallel, Distributed and Network-based Processing (PDP 2017), Saint Petersburg, Russia, p. 76-82.
- IT technologies aimed at mapping natural resources waste on PUCRS campus.