

Research Engineer | DevOps

Research engineer at Inria | Focused on self-adapting cloud microservices systems. Using my expertise in Java, JavaScript and Python, I work on the development of autonomous systems supporting multiple levels of autonomy. To this end, I have developed a lightweight java library offering directives for preparing a system for adaptation, as well as specifying the adaptation logic using rules. I excel at Test-Driven Development (TDD) to build a stable, functional and extensible systems. I also have a moderate expertise in Cloud and DevOps, where I use tools such as Kubernetes, Docker, Nginx, Apache, Jenkins, Portainer, Prometheus, and Grafana to build, test, deploy, debug and monitor web applications in production.

EDUCATION

Bachelor's degree

Computer Science

Oct 2017 – Jul 2020

Master's degree 1

Option: AI

Oct 2020 – Jul 2021

Master's degree 2

Option: AI

Oct 2021 – Jul 2022

University of Dschang

Grade: B-

Acquire the basic skills as an engineer to enter the Professional world.

University of Dschang

Grade: B

Acquire basic skills in the world of software engineering and artificial intelligence as team lead.

University of Dschang

Grade: A

Work on a formal approach based on model-driven engineering for Workflow management in a web application.

SOFTWARE ENGINEERING SKILLS

Languages

Java, JavaScript, Python, HTML, CSS, SCSS, TypeScript, PHP, SQL, C, C++, HASSELL, XML, Gherkin, MarkDown, BPMN, Dart.

FrameWorks &

Librairies

Spring-Boot 2-3, Maven, Junit, JEE, Hibernate, Cucumber, Angular 8-17, Express, ChaiJS, Mocha, HelmetJS, Jest, Jasmine, Karma, Laravel 8, Ionic Angular 5-7, VueJS, Vuetify, Bootstrap, TailWind, Sass.

DataBase

Postgres SQL, MongoDB, MySQL, FireBase, Oracle, Firebird SQL server, FlameRobin

Tools

GitLab, Zimbra, Mattermost, Microsoft AZURE, Amazon Web Service (AWS), Docker, Docker-Compose, Portainer, Jenkins, Grafana, Prometheus, InfluxDB, Kafka, Zookeeper, Azure DevOps, GIT, GitHub, Slack, Microsoft Teams, Skype, Zoom, Trello, Vikunja, Nextcloud.

Operating Systems

Ubuntu, Linux, Windows.

WORK EXPERIENCE

INRIA

Oct 2024 – present

Research Engineer in Distributed Systems and Middleware

As a Research Engineer at Inria, I designed and developed [AdaptiFlow](#): a lightweight Java framework to enable self-adaptation in cloud microservices, demonstrated through the [Adaptable TeaStore](#): a re-engineered version of the TeaStore benchmark.

DIMSOFT

Aug 2020 – Oct 2024

Software Engineer

As a team leader, *I learn all the development process for web applications with Java, JavaScript and Python.*

NOVALITIX

Feb 2021 – Oct 2024

IT Consultant

I have been responsible for providing technical expertise and support to the company's clients.

LANGUAGES AND PERSONALITY

Languages

French, English

Personality

Proactive, Meticulous, Curious, Organized

LINKS TO PROFESSIONAL ACCOUNTS

Github

<https://github.com/brice10>

LinkedIn

<https://www.linkedin.com/in/arlon-zemtsop-b258321a4/>

X

<https://x.com/ZemtsopArleon>

FreeCodeCamp

<https://www.freecodecamp.org/fccde292f03-5e7b-431a-be3f-bcc9a2a4de37>

Certifications

<https://www.freecodecamp.org/certification/fccde292f03-5e7b-431a-be3f-bcc9a2a4de37/responsive-web-design>

<https://www.freecodecamp.org/certification/fccde292f03-5e7b-431a-be3f-bcc9a2a4de37/quality-assurance-v7>

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