

## 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++, HASKELL, XML, Gherkin, Markdown, BPMN, Dart.

### FrameWorks & Libraries

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.

### DIMSOF

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/ar1%C3%A9on-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>

### Emails

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