

JUGHURTA MENZOU

jughurta.menzou@gmail.com | [LinkedIn](#) | [GitHub](#) | Ottawa, Ontario

EDUCATION

University of Ottawa

B.A.Sc. in Software Engineering

- French immersion scholarship

September 2019 – December 2024

Ottawa, ON

SKILLS

Languages: Java, Python, Kotlin, PHP, JavaScript, TypeScript, C++, SQL, HTML, CSS

Frameworks and Libraries: Spring, React.js, Flutter, Node.js, Laravel, Tailwind, Bootstrap

Tools: MySQL, PostgreSQL, MongoDB, JUnit, Jest, Selenium, Git, Eclipse, Docker, Postman, Prisma, PostHog

EXPERIENCE

FirstList

May 2024 – August 2024

Full Stack Developer (Co-op)

Ottawa, ON (Hybrid)

- Developed & integrated a support feature in **React.js**, enabling users to report issues and automatically converting tickets into GitHub issues with **Probot**, improving workflow efficiency
- Designed and deployed a signup link & **QR code system**, streamlining client onboarding and eliminating manual registration
- **Automated** email notifications with **Cron jobs & TypeScript**, boosting listing visibility by 30% and enhancing agent engagement
- Utilized **Prisma ORM** to efficiently handle database operations, ensuring seamless data retrieval, validation, and consistency across the application as well as writing **unit tests** using **Jest**
- Wrote **unit tests** using **Jest** and conducted **API testing** with **Postman** and **Swagger UI**

Elite Electronics

May 2023 – August 2023

Full Stack Developer (Co-op)

Ottawa, ON (Remote)

- Reengineered an **e-commerce template** into an **artisan-finder platform**, enabling users to search for construction artisans
- Developed an in-app calling feature by integrating **Agora RTC** for real-time audio communication, building **RESTful APIs** in **Laravel/PHP** for token generation and call log management
- Implemented call log **Database** creation and update mechanisms using **Eloquent ORM**, ensuring accurate tracking and retrieval of call records and integrated **Firebase Cloud Messaging (FCM)** for real-time notifications
- Built **Frontend features** using **Flutter** and **Dart**, including service provider management and in-app calling
- Implemented extensive **unit, manual, and integration tests** using **PHPUnit**, **Dart test**
- Utilized **Docker** for containerized **development** and **deployment** and implemented **CI/CD pipelines**

Elite Electronics

September 2021 – December 2021

IoT Systems Engineering Intern (Co-op)

Algiers, Algeria (On-site)

- Integrated **Zigbee** and **Z-Wave** protocols into **electronic devices**, enabling seamless remote communication via Wi-Fi for smart home automation
- Designed & deployed 10+ customized **smart home automation scenarios**, optimizing functionality to meet client needs
- Conducted 15+ **system tests & documented results**, ensuring compliance with **smart home safety standards** and device performance

PROJECTS

SimplyEats – Capstone Project | *Flutter, Firebase, Node.js, Stripe*

[LINK](#)

- Utilized **Flutter** to develop a cross-platform mobile app, ensuring seamless user experience across devices
- Integrated **Firebase** for real-time **database** management and **authentication**, enabling **secure data storage**
- Implemented **Stripe** with **Node.js** providing **secure & reliable payment processing** for a streamlined checkout
- Led a team of 3 developers, managing **task distribution & development workflows** to ensure on-time feature delivery

Hotel Booking Site | *Azure, MySQL, HTML, CSS, JavaScript*

[LINK](#)

- Developed a hotel booking website on **Azure**, using **HTML** and **CSS** for a seamless and engaging user experience
- Utilized **MySQL** for reliable data storage and integrated **JavaScript** for interactive booking features
- Enhanced the booking process with real-time availability updates and dynamic pricing to reflect demand
- Enhanced booking efficiency by enabling **real-time availability updates & dynamic pricing** based on demand

Task Manager | *React.js, Java, Spring Boot, MySQL, Azure*

[LINK](#)

- Developed a full-stack to-do list web application using **Spring Boot**, **React**, and **Tailwind CSS** with **JWT-based authentication**
- Built & integrated **RESTful APIs** for secure **CRUD operations**, ensuring users access only their own tasks through ownership verification
- Implemented **Spring Security** with **BCrypt**, securing **login/registration & user sessions with JWT authentication**
- Configured a **MySQL database** with **Hibernate** and **JPA**, enabling persistent & efficient data storage and deployed the app on **Azure**