



Mugilan MOURUGAYEN

SOFTWARE DEVELOPER

Paris, France

Mobile : +33 652299494



Technical Skills:

Web Development: JavaScript, React, HTML, CSS, UI, Redux, Node.js, Express.js, Postman

Backend Development: Java / JEE, Spring, Spring Boot, Gradle, Spring Security, Hibernate, Rest API, RabbitMQ, Maven, Python, Flask, LangChain, RAG

Databases: MongoDB, SQL, PostgreSQL

Operating Systems: Windows, Linux, Virtual Machine

DevOps and CI/CD : Docker, Jenkins, Git, CI/CD

Tools: Figma, Visual Studio Code

Cloud Services : AWS

Soft Skills:

- Teamwork
- Critical Thinking
- Problem Solving
- Innovative
- Creative

LANGUAGES:

- Tamil – Native
- English – Proficient
- French – A2

PROFILE:

Result oriented Software Developer with 2.5 years’ experience in full stack development. Looking to leverage my technical skills in Java, React, and microservices in a challenging role. Keen to provide innovative contribution to projects and revolutionise the applications user interface.

EDUCATION:

EPITA School of Computer Science, Paris – France

Master of Computer Science (MSc) BAC+5 Software Engineering, 2022 – 2024

INTERNSHIP:

1. KYRIBA | *Software Engineer* | Feb 2024 – July 2024 (Paris, France)

- Created a dynamic process template: Enabled user selection of members and mail templates, **reducing email prep time by 50%** using Java, RabbitMQ, and microservices.
- Developed template personalization microservice: Improved data accuracy and email engagement by 30% through API integration and template engines.
- Built multi-format conversion microservice: **Increased document handling efficiency by 100%** with file format conversion (TED) and microservice architecture.
- Integrated local storage and email dispatch: Improved operational workflow using local storage management and PostgreSQL.
- Utilized **Spring Boot, Gradle, RabbitMQ, Docker, Jenkins, Jira, PostgreSQL and Tempo** to deliver the project.

PROFESSIONAL EXPERIENCE:

1. Learny Technologies | *Full Stack Developer* | Sept 2020 – Sept 2022

- Enhanced student learning by developing web applications, resulting in a 25% increase in student engagement and a 70% improvement in learning outcomes.
- Optimized the back-end database, resulting in a 35% increase in query performance and a 25% decrease in server response time.
- Contributed to Agile methodology, resulting in a 40% improvement in project delivery time.
- Utilized **React.JS, Express.JS, MongoDB, GitHub, Visual Studio Code, MongoDB, AWS** environment to deliver the project.

2. Freelance | *Full Stack Developer* | Sept 2020 – Sept 2022

- Developed an efficient machine management web app, significantly improving operational efficiency through enhanced machine tracking and management capabilities.
- Led UI/UX design efforts resulting in heightened user engagement and reduced bounce rates, crafting an intuitive interface using React and Figma.
- Optimized the database, notably improving query performance and data access latency, enhancing overall system responsiveness.
- Utilized a wide range of technologies and tools, including **ReactJS, Firebase, NodeJS, GitHub, MongoDB, Visual Studio Code**.

PROJECTS:

1. **Ticket Management:** Java project to manage Flight record and bookings by clients at facility centre. **Tools:** Junit, Spring, Hibernate, REST, H2.
2. **Java Fund:** Backend Application that records and maintain patients report and insurance in database. **Tools:** Java, Hibernate, SQL, JUnit.
3. **Personalized AI:** Personalized AI that interact with multiple topics and uses custom data. **Tools:** Python, Lang Chain, RAG, Embedded Database.