

Eric Medoua

Software Developer

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Oracle Certified Java SE 17 Backend/Full Stack Developer with **3 years** of experience. A highlight of my career includes a year spent as a Software Development Engineer (SDE) at **SynergisticIT**. My backend expertise encompasses **Core Java**, Object- Oriented Programming, **Spring Boot**, Spring MVC, Hibernate, JSP/Servlets, and **SQL** databases such as **MySQL** and **Oracle 11g**, and **NoSQL MongoDB**. On the frontend, I'm adept at **jQuery**, **JavaScript**, **React**, **HTML/CSS**, and **Bootstrap**. In terms of infrastructure, I'm proficient with **AWS** Cloud technologies, Tomcat application servers, and crafting **RESTful** services using **Spring Cloud**. I've consistently worked within agile environments, utilizing tools like **Git**. Known for my strong communication skills, I'm punctual, detail-oriented, and always eager to embrace and learn new technologies, thriving both in team settings and individual projects.

CERTIFICATIONS

- ❖ **Oracle Certified Java SE 17 Professional Developer**
 - ❖ **Amazon Web Service SAA**
 - ❖ **CompTIA Security Plus**
 - ❖ **CISCO CCNA**

TECHNICAL SKILLS

- Programming Languages - **JAVA SE 17**, **JavaScript**, **HTML**, **CSS**, **PL/SQL**
- Web Service - **REST**
- Framework - **Spring 5**, **Hibernate 5**, **Junit 4, 5**, **React 16**, **Bootstrap 4, 5**, **Mongoose 5**, **Express**, **jQuery**, **JSTL**
- Cloud Computing - **AWS**, **EC2 instance**, **RDS**, **VPC**, **S3**, **Route 53**, **IAM**
- Database - **SQL**, **MySQL**, **Oracle**, **MongoDB**
- Other skills - **Git version control**, **API**, **Jenkins**, **Kubernetes**, **CI/CD Pipeline**, **TCP/IP protocol**, **WAN/LAN**, **Terraform**, **Docker**, **NodeJS**, **MERN Stack**

PROFESSIONAL EXPERIENCE

Full Stack/Backend Java Developer @ SynergisticIT, Fremont, CA

➤ Project: Vaccination

June 13 - Present

INTRODUCTION

Developed an application to help government meet the vaccination task in collaboration with Government and Private hospitals. Administrator will be able to set screen to approve the user, hospital, and select vaccine for a given time.

Skill Sets Involved

JavaScript, ES6 EcmaScript-6, NODEJS Framework, Express Framework MongoDB Basics with Mongoose, HTML5 and Browser Specifications, React Library , React-Vite.js , React Router for standard navigation , Promise (data calls and modularization)

- **Front-end:** Utilized React and Vite to enhance code management, replacing manual rendering with Html5, ensuring a separation of concerns and optimized virtual DOM re-rendering. Implemented a standard React architecture with UI and data-management components, leveraging publisher-subscriber implementation for efficient data flow from the store to components. Developed shared pages with a common header and footer, utilizing class and functional components for reusability and seamless user experience.
- **Back-end:** Leveraged Node, NPM, and Express to create and host a robust server for the API, ensuring efficient handling of data interactions. Implemented MongoDB, an open SQL standard database, to store and manage all project-related data, enabling seamless data integration. Developed multiple APIs to handle user-related functionalities such as user creation, sign-up, sign-in, and product purchases, utilizing JSON data structures for efficient data storage. Utilized Mongoose, a powerful tool, to establish connections with MongoDB, facilitating schema creation, data modelling, and data validations for enhanced data integrity.

Full Stack/Backend Java Developer @ SynergisticIT, Fremont, CA

➤ Project: Shopping Cart Application

February 2 – June 12

INTRODUCTION

A banking web platform catered to customers, staff, and administrators. Customers can access their account summaries, make withdrawals, deposits, and transfers. Staff members have the capability to set up and oversee customer accounts and address their queries. Additionally, the platform offers comprehensive administrative tools, enabling administrators to view details of both customers and employees, establish new bank branches, and manage staff inquiries

Skill Sets Involved

Java, Hibernate 4, MySQL, Spring MVC, Spring Security, REST, JavaScript, HTML 5, Bootstrap 5, AWS, Maven, Tomcat 10.

- **Front-end:** Integrated HTML tags, JSP standard tags, and CSS within JSP to design web pages. Utilized REST API within JSP to communicate with backend services.
 - **Back-end:** Architected and built the entire application utilizing the Spring MVC. Crafted REST API routes and verified their functionality with Postman. Incorporated role-based access controls through authentication and authorization via Spring Security. Conducted unit and regression testing with JUnit, leveraging Mockito. Managed the storage and retrieval of customer profile photos through AWS S3. Connected to the database via the AWS RDS instance endpoint within the spring framework.
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➤ Project: Banking Application

November 12 – February 1

INTRODUCTION

A banking web platform catered to customers, staff, and administrators. Customers can access their account summaries, make withdrawals, deposits, and transfers. Staff members have the capability to set up and oversee customer accounts and address their queries. Additionally, the platform offers comprehensive administrative tools, enabling administrators to view details of both customers and employees, establish new bank branches, and manage staff inquiries.

Skill Sets Involved

Java, Hibernate 4, MySQL, Spring MVC, Spring Security, REST, JavaScript, HTML 5, Bootstrap 5, AWS, Maven, Tomcat 9.

- **Front-end:** Integrated HTML tags, JSP standard tags, and CSS within JSP to design web pages. Utilized REST API within JSP to communicate with backend services.
 - **Back-end:** Architected and built the entire application utilizing the Spring MVC. Crafted REST API routes and verified their functionality with Postman. Incorporated role-based access controls through authentication and authorization via Spring Security. Conducted unit and regression testing with JUnit, leveraging Mockito. Managed the storage and retrieval of customer profile photos through AWS S3. Connected to the database via the AWS RDS instance endpoint within the spring framework.
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➤ **Project: Hotel Reservation Gateway**

July 10 – November 11

INTRODUCTION

Designed an interactive web portal facilitating customers in hotel selection, room reservation, and service evaluation. Concurrently, it empowers hotel managers to monitor feedback and respond to guest queries efficiently.

Skill Sets Involved

- Java, Spring 5, JUnit 4, HTML 5, JSP, jQuery 3/Ajax, Bootstrap, Postman, MySQL, Maven, Tomcat 9, GitHub, AWS - EC2, S3, IAM, SNS, Spring security.
- **Front-end:** Designed UI components utilizing Bootstrap, HTML, and CSS. Employed jQuery and Ajax for accessing RESTful web services. Implemented input validation using Bootstrap and JavaScript.
- **Back-end:** Developed REST Micro services with the Spring Boot framework. Leveraged AWS tools like EC2, S3, SNS, IAM, and Code Deploy for micro service deployment. Employed Spring Security for user authentication and authorization. Achieved 85% code coverage through JUnit-based unit tests. Utilized spring data actuator to deliver service health metrics to the production maintenance team. Contributed to the design and creation of relational databases to back-end infrastructure.

EDUCATION

Bachelor of Science in Petroleum