

# Mohammed Saqlain Patel

California State University Long Beach

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## CAREER OVERVIEW

3+ years of professional experience in developing applications using **MERN stack**, **MEAN stack**, **Java**, **Spring Boot** and **AWS services**.

## EDUCATION

### Master of Science, Computer Science, CGPA - 3.4/4.0

Dec 2024

California State University, Long Beach, CA

- Course Work: Advance Analysis of Algorithms, Advance Programming Languages, Advance Software Engineering, Advance Artificial Intelligence, Advance Computer Architecture, Block Chain Technology, Computer Simulation and Modeling, Search Engine Technology, Machine Vision and Pattern Recognition.

### B. Tech, Computer Science and Engineering, CGPA – 4.0/4.0

Aug 2021

VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, Telangana, India

- Course Work: Data Structures and Algorithms, Computer Networks, Operating Systems, Database Management Systems.
- Winner of a software hackathon conducted at convergence 2019.

## SKILLS

**Programming Languages:** C, C++, Java, Python; **Web technologies:** HTML, CSS, Bootstrap, JavaScript, TypeScript, React JS, Angular, Next JS, Node JS, Spring Boot, Spring Core, Jenkins, Junit, REST API, Microservices, Express JS, GraphQL **Databases:** MySQL, SQL Plus, Mongo DB, Google Firebase, Oracle, Dynamo DB, S3; **Cloud:** Azure, Heroku, AWS, Apache Tomcat.

**Technologies/Tools:** Android Studio, Visual Studio Code, Git, Postman, Jupyter Notebook, Open CV, PyTorch, TensorFlow, Machine learning, Natural Language Processing, Deep learning, Computer Vision.

## WORK EXPERIENCE

**Tata Consultancy Services Ltd**, System Engineer, Hyderabad, India.

May 2021 - Jan 2023

- Professional 3+ Years of experience as java Developer in software Development Life Cycle (**SDLC**) core area such as Analysis, Planning, Coding, Testing, Deploying and Maintaining of Object Oriented and Web-based enterprise Applications using java.
- Excellent understanding of software development and methodologies like **Agile** (scrum) working with Jira.
- Strong programming skills in designing **Microservices** and maintaining architecture using **RESTFUL API**, **Spring MVC**, **Spring Boot** and **Spring Security**. Used **POSTMAN**, **SOAP** to test RESTFUL API for HTTP Requests such as GET, POST and PUT.
- Good in Core Java API, serialization, synchronization, multi-threading, exception handling, and data Expertise in **MySQL**.
- Involved in creating **DAO** classes, **CRUD** operations and advanced SQL for procedures.
- Developed cleared documentation for **microservices** workflow, enhancing team efficiency and reducing inquiries by 25%.
- Implemented automated test case following test-driven development, raising code coverage by 20% using **Junit** and **Mockito**.
- Attending Daily and Weekly Scrum calls with the team and ticket tracking **JIRA** issues and version control using **GIT**.
- Raised multiple pull request and been reviewed to close the Jira story using **bitbucket** by **Atlassian**.
- Extensive Experience in development and implementation of **ORM** Framework like **JPA**, **Hibernate**.
- Support and maintenance of existing projects. (Review bugs and problems assigned, diagnose and fix them based on Jira).
- Hands on experience in writing SQL queries, database connectivity (**JDBC**).
- Analyzed and optimized code quality with **SonarQube**, reducing complexity by 35% and duplication by 20%.
- Ensured System Stability through rigorous INT, UAT, dev and production validations, achieving a 15% improvement.

**Tata Consultancy Services Ltd**, System Engineer Intern, Bangalore, India.

Mar 2021 - May 2021

- Responsible to handle all the RESTFUL API and to test them by passing all the valid parameters in XML Using **SOAP** and to **ensure** the code reliability, Maintainability, Testability and Reusability.
- This Internship experience provided me with a comprehensive understanding of software development practices.

**Kahaniya Private Ltd**, Backend Intern, Hyderabad, India.

Dec 2020 - Mar 2021

- I gained practical experience in web development, data management and cloud-based deployment.
- I have optimized data retrieval from **MongoDB** using Redis caching, implemented **Gmail-Oauth** for security automated email notification using via SendGrid and OTP verification using Msg91.

## PROJECT EXPERIENCE

**Women Safety Application** | Android Studio, Nodejs

Nov 2019

- Created an application using Java and Android Studio Framework to ensure the safety of an women while travelling.
- **NodeJS** env is used to build the REST API to flow the data from backend to mobile application.

**Face Recognition for smart attendance** | open-CV, Python

Oct 2018

- Face Recognition provides the basic authentication to mark the presence of student using **Siamese Neural Network**.
- Build using **OpenCV**, python, Haar Cascade and Tkinter is used to build the User Interface.
- This Project was developed and demonstrated in a Hackathon Conducted by **JNTUH**.

**Ecommerce web application** | MEAN Stack

Apr 2022

- Created a cross platform using JavaScript, **MEAN** stack technologies and Ionic Framework incorporated with a recommendation engine implemented with Natural language processing.
- Integrated a secure payment gateway using Stripe API, ensuring seamless and safe transactions for users in real-time.