

# DAMAN UNMESHKUMAR PATEL

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## EDUCATION

**M.S., Computer Science**, California State University, Long Beach | **GPA: 3.25/4.0** **Aug 2021 – May 2023**

**B.E., Computer Engineering**, Gujarat Technological University, India | **GPA: 9.68/10** **Aug 2017 – May 2021**

## TECHNICAL SKILLS

**Languages and Methodologies:** Java, JavaScript, Python3, HTML5, SQL, CSS, SAFe Agile, Scrum, SDLC, XML

**Libraries and Frameworks:** JUnit, JMeter, Node, React, Angular, JQuery, Selenium, TestNG, AWS Cloud Practitioner

**Tools and Technologies:** GIT, Postman, JIRA, BitBucket, VS Code, Eclipse, Kafka, REST API, SOAP, JSON, SonarQube, Windows, Linux

**Database:** Oracle SQL, MySQL, Mongo DB, SQLite, Firebase, ElasticSearch, Cassandra

## PROFESSIONAL EXPERIENCE

**Software Developer – CloudData Technology LLC, USA** **Feb 2024 – Present**

- Developed RESTful APIs with **Java Spring Boot** in a **Test-Driven Development (TDD)** environment, following **Agile/Scrum** methodology, to create robust and high-performing applications.
- Integrated **Jasper Reports** into **Java/J2EE** applications to generate **10+** reports from various data sources including databases, XML files, and web services.
- Conducted comprehensive **API** testing and **Automation Testing** utilizing Java **Selenium WebDriver** and **Postman**
- Configured modules using the **Log4j** framework, increasing the application responsiveness by **25%**.

**Software Developer – California State University, Long Beach, USA** **Sept 2021 – May 2023**

- Built **RESTful APIs** using **Java Spring Boot** to build resilient and high-performance applications.
- Constructed and enhanced **Java/J2EE** applications for client-server environments, leveraging software design documentation and incorporating new functionalities.
- Executed **Unit** and **Integration tests** utilizing **JUnit**, **Mockito** and **Spring TestContext** and achieved **90% of code coverage**.
- Utilized **Maven** for dependency management and build automation thus **saving the architecture cost by 30%**.

**Software Engineer – Warble Solutions, India** **July 2019 – June 2021**

- Collaborated in a 5-person team to build **SPAs** and dynamic UIs with **React.js** and **Angular.js** improving load times by **60%**.
- Utilized **AWS** services such as **Amazon EC2**, **Amazon S3**, **Kubernetes** and **Amazon RDS** to build and deploy scalable and resilient microservices backend in **Java Spring Boot**.
- Owned requirement gathering, reviewed functional specifications, testing, deployment, and documentation of applications.
- Established **Single Sign-On (SSO)** for authentication of microservices using **JWT** and **OAuth2**, making the services secure.
- Utilized **GIT** and **Jenkins** for **CI/CD**, containerized applications with **Docker**, and deployed them on AWS cloud platforms.
- Communicated with cross-functional teams using **JIRA**, including developers, QA, and project managers, to ensure all team members were aligned on workflows.

## PROJECTS

**Student Management System** (Java16, Spring Boot, Spring MVC, Spring Data JPA, MySQL, Thymeleaf) **Mar 2024**

- Developed Spring MVC features like mapping requests, handling form submissions, and managing views using Thymeleaf templates and Spring Data JPA for database access and Hibernate for Object-Relational Mapping (ORM).
- Achieved 50% performance boost by caching frequently accessed data and increased security by including OAuth2 for authentication and authorization.

**Search Engine – Masters Project** (Java18, SQLite, JDBC) **April 2023**

- Developed a Search Engine software application following Object Oriented Development and Design principles to index a directory of 150,000 documents using a positional inverted index which resulted in search for query terms in 2ms.
- Tested components of search engine like query processing, K-gram index, Wildcards and achieved 95% of code coverage.
- Incorporated a disk-based inverted index using SQLite and reduced 5GB memory requirement to 200mb.

**Amazon Clone Website** (React.js, Stripe.js, CSS3 & Tailwind CSS v3.0, Firebase) **Dec 2022**

- Designed an E-commerce Amazon clone website using front-end technologies React.js, HTML and CSS.
- Authenticated user credentials using Google Firebase Auth REST API and handled 500 user logins.
- Collected 5 sensitive user records and implemented secured payments using Stripe.js API.

## LEADERSHIP AND INVOLVEMENT

- Awards:** Gold Medal for Academic Excellence (July 2021), Gold Medal in Chess at Ahmedabad University (Dec 2020).
- Member:** International Student Fellowship at CSULB (2022), Chess Federation at CSULB (2022), Reddit (r/BuildaPC).