

# Mayur Bagul

[MA | +1 \(413\) 328-9520 | mayurbagul0304@gmail.com](mailto:mayurbagul0304@gmail.com) | [www.linkedin.com/in/mbagul30](https://www.linkedin.com/in/mbagul30)

## SUMMARY

Full stack software engineer currently pursuing MS in computer science, with **3+** years of experience in building scalable web applications using React.js, Java, Spring boot, and Node.js, and reduced load time by **30%**. Skilled in Agile development, translating wireframes into functional UIs, and building scalable web applications using React.js, Java, Spring Boot, and Node.js. Experienced in working with APIs, databases, and cloud-based services while collaborating across teams to deliver high-quality solutions.

## EDUCATION

### **Western New England University**

MS in Computer Science

Aug 2024 – May 2026

### **University of Mumbai, India**

Bachelor of Engineering in Computer Science

Aug 2016 – Nov 2020

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, JavaScript, TypeScript, SQL

**Frameworks & Libraries:** React.js, Node.js, Express.js, Vue.js, Django, Next.js

**Cloud & DevOps:** Azure, Docker, Kubernetes, Gitlab CI/CD

**Tools & Practices:** JIRA, Agile, Unite Testing, Code Review, Postman

**Web & Frontend:** HTML, SEO Optimization, Figma, Responsive Design

**Database:** MySQL, MongoDB, PostgreSQL

## WORK EXPERIENCE

### **Frontend Developer, Tekno Point, Mumbai, India**

Oct 2021 – Mar 2024

- Redesigned core UI components in React to accelerate feature development, implemented lazy loading and code-splitting with webpack to optimize performance which decreased initial load time by **40%**.
- Built responsive layouts using **Flexbox** and **CSS Grid** to ensure seamless cross-device compatibility and achieved **100%** responsiveness.
- Collaborated with QA team to define robust test cases for claims workflows, which saved approximately **12-15 hours** of per production.
- Led front-end features demos and released documentation for QA teams, which shortened QA cycles by **25%** and decreased post-release bugs.
- Collaborated with backend teams to integrate RESTful APIs into UI views for real-time data rendering, and increased engagement matrix.

### **Trainee Developer, Kings Crown Solution LLP, Mumbai, India**

Jul 2020 – Sept 2021

- Assisted in developing web applications using **HTML, CSS, JavaScript** and contributed to reduced UI bugs during QA by **10%**.
- Explored **CI/CD** concept through internal projects and supported Gitlab pipeline troubleshooting and gained exposure to **DevOps** workflows.
- Optimized relational database schemas using indexing and normalization, improved query performance across **3+** full-stack applications.
- Participated in **Agile standups**, sprint planning, and gaining experience in scrum-based delivery cycles and backlog grooming.

## PROJECTS

### **TATA AIA, Tekno Point, Mumbai, India**

Nov 2021 – Aug 2022

- Developed a scalable RESTful API's using **Node.js** to support user authentication and improved response time on high-load endpoints.
- Resolved **30+ production** UI issues like layout errors, broken components, and API inconsistencies, improved stability and user experience.
- Implemented a **real-time** notification system using **socket.io**, enabling instant policy status and payment update for user without page reloads.
- Integrated **CI/CD pipelines** using GitLab, automating linting, testing and **Docker deployments**, reducing manual deployment error by **90%**.

### **Bajaj Allinz General Insurance, Tekno Point, Mumbai, India**

Jul 2022 – Sept 2022

- Architected a modular UI using React.js with reusable component and dynamic routing via react router and improved maintainability.
- Designed normalization relational schema in **PostgreSQL** and **MySQL**, to optimize data integrity and scalable relationships across users.
- Collaborated with a team to build a secure user authentication and role-based access control system using **JWT** and **Express middleware** and ensured authorized access to sensitive policy and transaction **APIs** for security compliance during internal audits.
- Utilized **postman** and **automated test script** to perform regression and integration testing of **API endpoints**, identified and resolved backend defects pre-release, ensured the stable production environment.

## ACHIEVEMENTS

- Founder of Mayur's Kitchen, leading **30+** staff to deliver quality service through teamwork and clients throughout the entire state.
- Awarded "Coder of the Quarter" for outstanding performance at Tekno Point in 2023.

## CERTIFICATIONS

Introduction to Software Engineering | Introduction to Artificial Intelligence | IBM full Stack Development |