

# Safwan Ahmed

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## Professional Summary

Full-stack Software Engineer with expertise in React, Next.js, and Node.js. Experienced in building scalable web applications, optimizing backend systems, and implementing secure cloud-based solutions. AWS Certified Developer with proven impact in reducing operational overhead and improving user engagement.

## Education

### Mumbai University

June, 2021 - May 2024

Bachelor of Science in Computer Science (CGPA: 7.93)

Mumbai, Maharashtra

- **Relevant Coursework:** Data Structures and Algorithms, Prob & Stat in CS (Python), Linear Algebra w/Computational Applications (Python)

## Experience

### Deloitte

Aug 2024 – Present

Associate Analyst

Pune, Maharashtra

- Engineered a full-stack Learning & Development portal using React.js, Node.js, Express.js, and MySQL, centralizing course listings and automating training compliance tracking, which improved audit readiness and streamlined professional development workflows.
- Developed and deployed automation solutions with Python and Flask, saving over 100 hours of manual work annually and reducing operational errors by 30%.
- Optimized complex MySQL queries and indexing strategies, reducing page load times by 15% and improving system responsiveness for high-traffic applications.
- Developed a plug-and-play automation tool integrated with ServiceNow, automating shift handover reports and reducing manual reporting effort by 80%, while improving accuracy and knowledge transfer efficiency.
- Delivered L3 (Level 3) production support for critical Delivery and Information applications, including Canada Postal, troubleshooting complex issues, ensuring 99.9% uptime, and minimizing downtime for business-critical operations.

### ILM UX

Jan 2022 – Aug 2024

Software Engineer Intern

Navi Mumbai, Maharashtra

- Developed a high-performance website by integrating Storyblok with Next.js, improving page load speed by 30% and increasing organic traffic by 20% through enhanced SEO practices.
- Built and published a reusable UI component library with Chakra UI and Storybook as an NPM package, standardizing design and reducing development time for new projects by 25%.
- Engineered a comprehensive banking website leveraging Next.js, Chakra UI, SWR, and Zustand, resulting in a 40% reduction in bug reports and a 15% increase in user satisfaction scores.
- Designed and implemented a secure Backend-for-Frontend (BFF) architecture, abstracting backend endpoints and reducing security vulnerabilities by 30%.
- Established unit testing frameworks, applied SOLID principles, and conducted code reviews, increasing code coverage by 35% and decreasing post-release defects by 20%.
- Implemented secure authentication and authorization using Passport.js and JWT, achieving 100% compliance with internal security audits and improving data privacy.
- Developed a high-performance website by integrating Storyblok with Next.js, improving page load speed by 30% and increasing organic traffic by 20% through enhanced SEO practices.

## Projects

### Tunnel – Real-Time Chat Application | Next.js, Node.js, Express, MongoDB, Socket.io, Chakra UI

- Engineered a scalable real-time chat application supporting instant messaging and group conversations, increasing user engagement by 30% within three months of launch.
- Designed and deployed RESTful APIs with Node.js and Express, improving data retrieval efficiency by 30% and enabling seamless client-server communication.
- Implemented WebSocket-based communication with Socket.io, reducing message latency by 20% and enhancing real-time responsiveness.
- Enhanced user experience by integrating customizable light/dark themes, boosting user satisfaction and adoption.

## Technical Skills

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

**Frameworks & Libraries:** React.js, Angular.js, Next.js, Node.js, Express.js, NestJS, Flask, Redux, Zustand, Bootstrap

**Technologies & Tools:** AWS, Azure, Docker, Socket.io, Git, Linux, Storybook, Chakra UI

**Databases:** MongoDB, MySQL

**Concepts:** Data Structures & Algorithms (DSA), Operating Systems, Authentication & Authorization, Encryption & Decryption, Artificial Intelligence, Machine Learning, Database Normalization, Cloud Computing, Microservices

**Professional Skills:** Agile Software Development, Unit Testing, Code Review, Multitasking & Prioritization, Continuous Improvement Mindset

## Certifications

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AWS Certified Developer – Associate

HackerRank Certified JavaScript Developer

HackerRank Certified Node.js Developer

HackerRank Certified Frontend Developer (React.js)

Agile Project Management Practitioner

## Awards & Recognition

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**Deloitte – Applause Award (2024):** Received twice for outstanding contributions to the Canada Post project, including automation initiatives that saved 900+ hours annually.

**ILM UX – Bronze Performer Award (2023):** Recognized as a top performer for delivering impactful projects and driving innovation within the development team.