

# Ajinkya Bhamre

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## EDUCATION

**Master Of Science in Software Engineering**, Stevens Institute of Technology May 2025

Relevant Coursework: Web Programming – I & II, DBMS, Agile Methods for Software Development.

**GPA: 3.9/4.0**

Achievements: Awarded the "Stellar Project Achievement Award" for exceptional performance in the software agile course.

**Bachelor Of Science in Information Technology**, Narsee Monjee Institute of Management Studies

Aug 2020

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Computer Networks, Intro to Cloud Computing

## TECHNICAL SKILLS

**Languages**: Java, JavaScript (ES6/ES7), TypeScript, Python, C#, HTML, CSS

**Technologies**: React.js, Next.js, Node.js, Express, Spring Boot, GraphQL, Redis, Tailwind, MongoDB, jQuery, ASP.NET MVC, PostgreSQL, MSSQL, AWS (EC2, S3, Lambda, DynamoDB, API Gateway, IAM, Blue-Green CI/CD), Docker, Kubernetes, Git, Jira

**Skills**: Problem solving, technical writing, code reviewing, debugging, troubleshooting, version control, TDD, Agile/Scrum.

## EXPERIENCE

**Graduate IT Assistant** - Stevens Institute of Technology

Aug 2024 – May 2025

- Built a **Power BI-style ReactJS** web app to visualize classroom schedules, implementing dynamic filters for building, semester, and room selection; enabled **50+ IT staff** to efficiently access schedule data using a custom **JSON** dataset as the backend.
- Developed knowledge base articles and led faculty training sessions, boosting technology adoption and reducing recurring IT issues by **25%**, minimizing disruptions.
- Resolved **150+ technical support tickets/month** using **Freshservice**, troubleshooting **hardware/software issues** and improving system uptime to **99.99%** across classrooms and conference rooms.

**Software Engineer** - Propix Technologies

Aug 2020 – July 2023

- Collaborated with cross-functional teams to design Track & Trace solutions using the **ASPNET** stack and **MSSQL**, implementing stored procedures and SQL queries that improved data processing efficiency by **30%** for manufacturing and pharma clients.
- Built internal tools utilizing the **MERN stack**, effectively automating key business processes and reducing manual effort by **40%** across the organization.
- Boosted overall project outcomes and client satisfaction by leading comprehensive requirement gathering and analysis, identifying critical client needs, and consistently enhancing project delivery success rates.
- Performed thorough testing on both client and server sides before deployment, ensuring high-quality releases and improving overall application stability and reliability in regulated environments.
- Implemented frontend enhancements using **ReactJS** across different projects, significantly improving user experience and reducing UI-related issues by **30%**, resulting in increased customer satisfaction and lower support overhead.
- Enhanced product quality by resolving persistent UI bugs, creating dynamic forms, and integrating robust validations with client-side JS (**jQuery**) reducing error rates by **25%** and elevating user satisfaction.

## PROJECTS

**Job Application Tracker** [\[GitHub\]](#) [\[WebApp\]](#) Built a Simplify-style job applications management tool with **Node.js**, **MongoDB**, **Leaflet.js**, and **Cloudinary**, allowing users to track applications via interactive maps, real-time analytics dashboards, and secure profile management. Improved application tracking efficiency by **40%** and boosted engagement with geographic visualization.

**Pre-Surgical Epilepsy Evaluation Platform**: [\[GitHub\]](#) Engineered a full-stack healthcare web app using **React.js**, **Node.js**, **MongoDB**, and **AWS**, enabling doctors to identify seizure-causing brain regions. Implemented secure data access, 3D neuro-imaging visualization with zoom/timeline controls, and EEG/MEG data analysis using **MNE-Python**, enhancing diagnostic accuracy and surgical outcomes. Received the Stellar Project Achievement Award.

**Research Collaboration Platform**: [\[GitHub\]](#) [\[WebApp\]](#) Created a LinkedIn-style platform for academic collaboration using the **MERN stack**, **WebSockets**, and **Tailwind CSS**. Enabled real-time chat, notifications, and dynamic user directories with **Redis** for caching and **Firebase Authentication** for secure login. Facilitated seamless collaboration between professors and students with optimized responsiveness and live engagement.

**Cloud Migration & Microservices Implementation** : [\[Link\]](#) Transformed a monolithic Node.js application into microservices architecture on AWS using Docker and ECS. Implemented automated CI/CD pipelines with **CodeCommit**, **CodeDeploy**, and **CodePipeline** for blue/green deployments. Utilized Application Load Balancer, RDS MySQL, and Amazon ECR for scalable, containerized services with zero-downtime updates.