

Ajinkya Bhamre

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Summary

Full Stack Software Engineer with 3+ years of experience building high-performance, microservices-based web applications in React, Node.js, and AWS. Adept in CI/CD pipelines, cloud architecture, and Agile methodologies, seeking to deliver scalable solutions

Experience

Learning Technology Assistant - Stevens Institute of Technology - New Jersey, USA

August 2024 - Present

- Resolved **100+** technical support tickets per month, troubleshooting **hardware/software issues** and improving **system uptime to 99%** in classrooms and conference rooms.
- Developed **knowledge base articles** and **led faculty training sessions**, increasing **technology adoption** and reducing recurring IT issues by **25%**, minimizing disruptions.
- Diagnosed and resolved IT issues, **reducing equipment downtime by 40%**, improving response time, and ensuring **seamless academic operations**.

Software Engineer - Propix Technologies - India

August 2020 - July 2023

- Collaborated with cross-functional teams to design track & trace solutions using ASP.NET MVC, MSSQL, and TFS, **accelerating deliveries by 30%** and elevating client trust across manufacturing and pharma sectors.
- Developed interactive, web-based serialization platforms using jQuery, Entity Framework, and Web API, **reducing UI response times by 25%** and improving real-time data visibility for global supply chain stakeholders.
- Implemented advanced debugging techniques with Visual Studio and MSSQL Profiler, **cutting production defects by 40%** and ensuring seamless deployments for food, beverage, and pharmaceutical packaging lines.
- Incorporated robust client- and server-side validation in ASP.NET MVC, **reducing data inconsistencies by 35%** and strengthening trust in Propix Tech's analytics for compliance-driven industry clients.
- Enhanced Track & Trace user interfaces with jQuery-based form validation, **decreasing error rates by 50%** and enabling faster regulatory compliance for medical device manufacturers globally.

Projects

Pre-Surgical Epilepsy Evaluation Platform [\[GitHub\]](#)

(React.js, Tailwind, MongoDB, Node.js, MNE-Python, AWS)

- Awarded the "**Stellar Project Achievement Award**" for exceptional performance in the Software Agile course.
- Built a full-stack web app aiding doctors in identifying seizure-causing brain regions, improving surgical outcomes.
- Developed a secure cloud-based database, authentication system, and APIs for managing EEG/MEG data.
- Integrated a neuro-imaging library for **3D brain visualization**, enabling interactive 360° exploration with zoom.
- Implemented a **source localization algorithm** for precise analysis of seizure focus areas, enhancing diagnostic accuracy.

Research Collaboration Platform [\[GitHub\]](#)

(React, Node.js, MongoDB, GraphQL, WebSockets, Redis, Firebase Auth)

- Developed a **LinkedIn-style platform** enabling professors and students to connect, collaborate on research projects, and engage via **real-time chat, user directories, and secure authentication**.

Job Application Tracker [\[GitHub\]](#)

(JavaScript, Bootstrap, Cloudinary, jQuery, Node.js, API, MongoDB, Leaflet, Git)

- Built a job management web app with secure document uploads, authentication, data-driven tracking dashboards, and an interactive map for global application insights.

Skills

Programming Languages : Java, JavaScript (ES6+), TypeScript, Python, C#

Front-End: React.js, Next.js, Redux, Tailwind CSS

Back-End: Node.js, ASP.NET MVC, RESTful APIs, GraphQL

Databases : MongoDB, PostgreSQL, MSSQL

Cloud & DevOps : AWS (EC2, S3, Lambda, DynamoDB, API Gateway, IAM, Blue-Green CI/CD), Docker, Kubernetes

Tools/Methodologies: Git, JIRA, Selenium, TDD, Agile/Scrum

Education

Stevens Institute Of Technology - MS in Software Engineering - New Jersey, USA - CGPA 3.88/4

Expected May 2025

Courses: Web Programming, DBMS, Agile Methods for Software Development, Introduction to Cloud Computing, Software Architecture & Component-Based Design, Software Engineering Capstone Studio.