Sanjana Sayeed
Software Developer | Full Stack Developer
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PROFESSIONAL SUMMARY
- Software Developer with 2+ years of experience in developing scalable full-stack web applications and cloud-native services.
- Worked on microservices-based projects using Java, Spring Boot, Node.js, Next.js, and TypeScript, designing RESTful APIs and implementing CI/CD pipelines to improve deployment efficiency.
- Experienced in collaborating within Agile teams, with strong communication, technical, and organizational skills, and a focus on continuous learning and team success.

TECHNICAL SKILLS
Languages: JavaScript, TypeScript, SQL , Java, Python, PHP,
Databases: MySQL, PostgreSQL, MongoDB, SQLite, Redis, Firebase
Frameworks/Technologies: Node.js, Next.js, React.js, Vue.js, Express.js, Spring Boot,.NET, Django, Flask, TailwindCSS**,** HTML5, CSS3
Cloud Platforms: DigitalOcean, Vercel, Netlify, AWS
Developer Tools: Postman, Git, GitHub, Docker, GitScrum (or GitHub Actions), Figma, LaTeX, Maven, JUnit
Concepts/Methodologies: RESTful API Design, Microservices Architecture, Object-Oriented Programming (OOP), Model-View-Controller (MVC), Model-View-Template (MVT), SOLID Principles, Agile (Scrum)
Other Technologies: WebSockets, Stripe API, PayPal API, Google Sheets API, Google Maps API, Yelp API, OpenWeather API

WORK EXPERIENCE
Software Developer | **B.A.N.G.L.A** / Montreal QC / Link   Aug 2024 - Apr 2025
Tech: Node.js, Express.js, TypeScript, Vue.js, SQLite, NGINX, Google Sheets Api
- Built and deployed a fully responsive magazine CMS platform, enabling non-technical editors to publish 50+ articles and manage 100+ media assets, increasing editorial efficiency by 60%.
- Engineered robust RESTful APIs (Node.js + SQLite) handling 1,000+ daily requests; introduced IP-based rate limiting and input validation, reducing abuse reports by 70%.
- Led frontend optimization with Vue.js and deployed via Vercel, reducing page load latency by 30%; configured NGINX on Digital Ocean to handle 1,000+ concurrent users.

Software Developer | **Rainier Technologies** / Dhaka Bangladesh   Mar 2021 - Oct 2022
Tech: Node.js, TypeScript, Express.js, React, MongoDB, Redis, Docker, GitHub Actions, OAuth2, TailwindCSS

- Engineered a microservices-based cloud EHR platform with modules for patient records, prescriptions, billing, and appointments, consistently delivering 3+ modules per sprint in an Agile (Scrum/Kanban) environment.
- Executed 300+ RESTful APIs using Node.js and TypeScript, leveraging Redis caching and MongoDB query optimization to reduce load times by up to 40%.
- Planned and developed clinician and admin dashboards with React, translating Figma wireframes into pixel-perfect, responsive UIs and improving clinician task completion time by 40%.
- Implemented secure authentication (OAuth2, JWT, RBAC) and DevOps practices including Dockerization and CI/CD pipelines with GitHub Actions, cutting deployment time by 25% and manual errors by 80%, while collaborating cross-functionally with designers and stakeholders to ship high-quality features under tight deadlines.
- Utilized Bash scripts for environment setup and Docker container orchestration.

PROJECTS
Context-Aware Travel Companion App
Tech: Flask, MongoDB, WebSockets, React, Google Maps API, Yelp API, OpenWeather API
- Designed and implemented a hybrid recommendation engine using real-time data from Google Maps, Yelp, and OpenWeather, achieving 90% user satisfaction based on a dataset of 30,000 users.
- - Integrated Flask backend with WebSocket for real-time notifications and ensured seamless communication between client and server via RESTful APIs.
- Developed a responsive frontend in React, delivering a dynamic and personalized user experience with real-time updates based on user context (location, time, weather, and preferences).

Trendify – E-commerce Platform
Tech: Next.js, React, TypeScript, Prisma, PostgreSQL, Stripe API, PayPal API, Jest
- Pioneered a full-stack e-commerce platform utilizing React, TypeScript, and PostgreSQL, incorporating secure authentication via OAuth 2.0 and role-based admin dashboards.
- Increased codebase test coverage to 85% using Jest, supporting 500+ concurrent users with 0 major downtime incidents during simulation testing.

Wildfire Response Prediction Tool (Hackathon Project) | ConUHacks IX – Concordia University, Montreal, QC (Feb 2025)
Tech: Python, Typescript, Machine Learning, React, Leaflet.js, REST APIs
- Created a full-stack real-time wildfire spread prediction tool using machine learning and live geospatial data, optimizing emergency response during Canada's largest collegiate hackathon.
- Enhanced real-time data processing and team collaboration under pressure, contributing to both backend model integration and a responsive frontend interface.
- Achieved 87% wildfire spread prediction accuracy against historical datasets, with live data processed at an average latency of under 2 seconds.

EDUCATION

Master of Engineering in Software Engineering | Concordia University, Monreal, QC   Jan 2023 – Jan 2024
Bachelor of Science in Computer Science | Brac University, Dhaka, Bangladesh   Jan 2017 - Dec 2020