Gayathri Galiveeti
Software Developer
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Summary

Software Developer with around 2 years of experience in designing and implementing scalable, high-performance web applications. Proficient in frontend development using React.js, Angular, and TypeScript, and backend frameworks such as Java (Spring Boot), Node.js, Express.js. Adept at creating RESTful APIs and GraphQL for optimized data exchange, managing CI/CD pipelines with Jenkins, Docker, and Kubernetes, and deploying applications on AWS. Strong experience with MySQL, MongoDB, and PostgreSQL for database management and optimization. Collaborative team player with expertise in Agile and SCRUM methodologies, delivering end-to-end software solutions that enhance user experience and drive operational efficiency.

Technical Skills

Programming Languages: Python, Java, JavaScript, TypeScript, HTML, CSS
Frontend Frameworks: React.js, Angular
Backend Frameworks: Java (Spring Boot), Node.js, Express.js
API Development: RESTful APIs, GraphQL
Databases: MySQL, PostgreSQL, SQLite, SQL Server, MongoDB, NoSQL
Cloud & Hosting: AWS (Hosting, Security, Monitoring)
CI/CD & Automation: Jenkins, Docker, Kubernetes, GitHub Actions, CI/CD
Version Control & Tools: Git, GitHub, JIRA, Visual Studio Code, AJAX, JSON, jQuery
Architecture & Development: MVC Architecture, Microservices, SCRUM, Agile Development
UI/UX Development: React Router, Redux Saga, React Context API, Prototyping, User Feedback Integration, Responsive Design
Monitoring & Deployment: Custom Dashboards, Metrics for Availability, Automated Builds, Testing, and Deployments (CI/CD)

Education

University of North Texas, Denton, TX   **Jan 2023 – Dec 2024**
Master's in Computer Science

Gitam University, Bengaluru, India   **Jul 2018 – Jul 2022**
Bachelor's in Computer Science

Professional Experience

Uber   **Apr 2025 – Current**
Software Developer, TX
- Contributed React.js and TypeScript components for a real-time driver dashboard, integrating Redux for state management; reduced initial dashboard load time from approximately 5 seconds to 4 seconds by optimizing component rendering.
- Assisted in building Spring Boot REST endpoints to supply frontend data, cutting failed fetches from roughly 80 per 1,000 requests to about 20 per 1,000 requests.
- Supported AWS setup (EC2, ELB, CloudWatch) and Docker container deployment via Jenkins, trimming the manual deployment process from four steps down to two steps.

AirBnb, India   **Dec 2021 – Dec 2022**
Software Developer, India
- Developed reusable UI components in React.js and TypeScript (with Redux Toolkit and React Query), decreasing bundle size from about 1.5 MB to 1.05 MB, which lowered time to first meaningful paint from 3.5 seconds to 2.3 seconds.
- Integrated Elasticsearch backend queries and consumed results via Axios in the React frontend, cutting average search response time from 400 ms to 200 ms and enabling the system to handle an additional 3,000 searches per day without new infrastructure.
- Implemented OAuth 2.0 using passport.js and JWT in React to secure user sessions; audits showed zero unauthorized-access incidents over six months versus roughly five incidents per month before.
- Added LaunchDarkly flags in React components to run A/B experiments; one tested variation generated an extra 120 bookings per week.
- Worked with backend teams on Spring Boot (Java) and Node.js APIs, refining request/response schemas and reducing errors from about 40 per 1,000 calls to 15 per 1,000 calls.

- Wrote Jest and React Testing Library UI tests, increasing test count from roughly 200 to 280 and catching about 15 additional bugs before release; configured GitHub Actions to run the test suite on every pull request, which cut post-merge production bugs by 10 per quarter.
- Dockerized frontend builds and collaborated with DevOps to deploy via Jenkins into a Kubernetes cluster, shortening staging-to-production release time from about 5 hours to 3 hours.

Pragyan-AI, Bengaluru, India   **Jun 2021 – Nov 2021**
Machine Learning Engineer
- Engineered and optimized a machine learning-based fall detection system using TensorFlow and OpenCV, achieving 92% accuracy and reducing false positives by 20%.
- Trained and processed 5,000+ images/videos, improving real-time recognition efficiency and enhancing safety through instant fall detection alerts.
- Integrated YOLO object detection, enhancing inference speed by 30% in Jupyter Notebook.

Academic Projects

My Developer Portfolio (AppLink):
Developed a personal portfolio website using Next.js, featuring interactive animations with Framer Motion and deployed on Vercel for fast, seamless performance. Utilized server-side rendering (SSR) and static site generation (SSG) to optimize load times and SEO. The portfolio showcases my professional experience, projects, and technical skills.

AI-Powered Chat Application:
Developed GG GPT, a ChatGPT clone using React & OpenAI API, enabling AI-driven responses with seamless UX and no-account requirement.

Research on GPU Caching Innovations:
Achieved 75% efficiency improvement by implementing decoupled L1 caches and refined remote-core bandwidth for better scalability.

Web & App Development:
Created multiple interactive web applications, focusing on user-centric design and front-end development (Quiz app, Note app, Dice Game, Calculator).