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
- Engineered real-time driver performance dashboards using React.js and Spring Boot, improving resource allocation decisions and reducing operational review cycles by 25%.
- Built and optimized RESTful and GraphQL APIs for analytics systems, improving data retrieval speeds and reducing latency across rider and driver services.
- Deployed CI/CD pipelines using Jenkins, Docker, and Kubernetes, accelerating feature rollouts and reducing deployment errors by streamlining build, test, and release workflows.
- Integrated AWS services (EC2, ELB, Auto Scaling, CloudWatch) for high-availability infrastructure supporting trip tracking and ride scheduling, enhancing uptime and scalability.
- Enhanced backend database performance with MySQL and MongoDB optimizations for location-based queries, increasing efficiency of real-time ride data processing.

AirBnb, India	**Dec 2021 – Dec 2022**

Software Developer, India
- Developed 20+ modular and reusable UI components using React.js, TypeScript, and Redux Toolkit for Airbnb's Experiences platform, enhancing UI performance and improving page responsiveness by 35%.
- Built and deployed scalable APIs using Spring Boot and Node.js, reducing backend response time by 40% and enabling seamless integration across 5+ core booking services.
- Improved search functionality by integrating Elasticsearch, increasing property discovery efficiency and reducing search load time for users by 50%.
- Enabled real-time feature experimentation through A/B testing tools like LaunchDarkly, contributing to a 12% increase in booking conversion rates by optimizing the user checkout flow.

- Implemented Redux Saga and React Query to handle asynchronous data fetching, reducing redundant API calls and improving frontend render performance across 3 high-traffic modules.
- Automated CI/CD workflows using GitHub Actions, Jenkins, and Docker, accelerating deployment frequency from biweekly to twice per week with a 98% success rate.
- Secured over 1M+ user sessions using OAuth 2.0 and JWT, safeguarding sensitive user and payment data and aligning with GDPR and PCI-DSS compliance requirements.
- Collaborated with UX designers to revamp the onboarding experience using React Context API and custom hooks, increasing user engagement on new features by 28%.
- Participated in 20+ Agile sprints, consistently delivering sprint goals on time and contributing to a 15% improvement in team velocity and release efficiency.
- Created detailed technical documentation and conducted code reviews for 50+ pull requests, ensuring maintainability and improving overall code quality.

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 :
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).