Raju Aamanchi
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SUMMARY

Software Engineer with around 6 years of experience designing and developing high-performance web applications using React.js, Node.js, Express.js, J2EE, Spring Boot, Spring MVC, Spring Security, Hibernate, and JPA, with a strong focus on microservices architecture, secure authentication, and data persistence leveraging MongoDB, MySQL, and PostgreSQL. Skilled in building and integrating RESTful APIs, as well as utilizing Python and Django for backend solutions and process automation. Experienced in deploying cloud-native applications on AWS (EC2, Lambda, S3, RDS) and managing containerized environments with Docker and Kubernetes to ensure scalable, resilient delivery. Proficient in developing responsive and accessible front-end interfaces using React.js, Next.js, Angular 10+, RxJS, Redux, JavaScript (ES6+), TypeScript, HTML5, CSS3, Tailwind CSS, and AJAX, while maintaining cross-browser compatibility. Strong foundation in Object-Oriented Programming (OOP) and Data Structures & Algorithms (DSA), with proven ability to solve complex problems and optimize system performance.

SKILLS

Frontend Frameworks/Libraries: React.js, Redux, Next.js, Tailwind CSS, Angular 10+, Bootstrap 5, jQuery
Backend Frameworks/Libraries: Node.js, Express.js, Django, J2EE
Methodologies: SDLC, Agile/Scrum, Waterfall
Languages: JavaScript, Java, TypeScript, Python, SQL
Web Technologies: HTML5, CSS3, Tailwind CSS, AJAX, JSON, XML
Cloud/Application Server: AWS (CloudFront, S3, Lambda, API Gateway, Amplify), GCP (Firebase, Cloud Functions, Storage)
Database: MongoDB, PostgreSQL, SQL, Firebase Realtime DB, DynamoDB, MySQL
Tools: Git, GitHub, Jenkins, Postman, Chrome DevTools, JIRA, Figma, Docker, VSCode, Atom
Testing & Debugging: Jest, Cypress, Enzyme, Lighthouse
Deployment & CI/CD: Docker, Kubernetes, Jenkins, Netlify, Vercel, GitHub Actions

WORK EXPERIENCE

Charles Schwab, USA   *May 2024– Current*
Software Engineer

- Engineered a secure, responsive client onboarding portal using React.js, Node.js, and Express, integrating KYC/AML verification APIs and improving onboarding efficiency by 35% while ensuring full compliance with financial regulations.
- Designed and implemented AWS serverless workflows using Lambda, S3, and API Gateway to automate loan application document intake and validation, eliminating manual checks and saving over 11 hours of processing time per week.
- Containerized payment settlement services with Docker and established staging environments mirroring production, reducing environment mismatch bugs and cutting transaction-related support tickets by 40% over three quarterly release cycles.
- Developed automated testing suites with Cypress for trading dashboard UI flows and JUnit for backend validations, boosting test coverage by 60% and strengthening reliability across quarterly compliance-driven production releases.
- Engineered CI/CD pipelines with GitHub Actions for Java-based microservices powering fund transfers, streamlining deployments across dev, staging, and production, which reduced release errors by 60% and improved audit compliance.
- Refactored legacy Spring-based risk assessment services into modular Spring Boot 3 applications on Java 17, improving response times by 25% for credit risk scoring APIs and reducing memory overhead in production workloads.

Accenture, India   *Nov 2021– Dec 2023*
SoftwareEngineer

- Architected patient-centric, component-based front-end using Angular 10+ and TypeScript, streamlining appointment booking and record workflows, improving task completion speed by 30% for 15,000+ daily users while maintaining 99.95% uptime.
- Built modular, interactive UI components in React.js and Redux for electronic health dashboards, optimizing performance through lazy loading and memoization, which enhanced application speed and increased physician satisfaction scores by 35%.
- Established secure, scalable RESTful APIs using Node.js and Express to manage sensitive data and integrate with third-party healthcare systems, sustaining over 10,000 daily HIPAA-compliant requests with zero downtime for six consecutive months.
- Led large-scale UI modernization initiative, migrating legacy hospital systems from outdated CSS to Tailwind CSS, creating consistent design standards and reducing styling efforts by 40% across multiple patient-facing applications.
- Streamlined clinical report generation and system monitoring using cron jobs, improving reliability of lab result delivery and cutting manual effort by 40%; coordinated with QA via JIRA to ensure timely compliance-ready releases.

Hexaware Technologies, India   *Apr 2019– Oct 2021*
Software Engineer

- Collaborated with backend teams to refactor Node.js APIs and redesign MongoDB collections, ensuring compatibility with the upgraded Angular 6+ interface and improving data sync speed by 30%, enhancing user experience.
- Migrated and maintained frontend modules from AngularJS to Angular 6+, for employee-facing internal tools, enhancing accessibility and improving responsiveness for over 5,000 regular users.
- Automated daily operational processes such as log backups, server health checks, and report generation using Python and Bash, saving nearly 50+ hours of manual work every month for the infrastructure support team.
- Participated actively in Agile ceremonies including sprint planning, backlog grooming, and team retrospectives, contributing to a 15% improvement in sprint velocity and achieving 95%+ sprint goal completion rate over 6 months.
- Crafted and executed Postman test collections for API validation, integrating them into existing CI pipelines, which led to 30% earlier bug detection and reduced UAT cycle time by 25%, improving overall deployment efficiency.

EDUCATION

Master of Science in Information Technology Services and Management| Campbellsville University, Kentucky