Chandra Sekhar Neelam
Software Engineer/Developer
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SUMMARY:

Software Engineer with around 5 years of experience in designing and delivering web applications and backend solutions. Expert in developing responsive, accessible front-end interfaces using React.js, Next.js, Angular, TypeScript, and Tailwind CSS. Proficient in building backend systems with Node.js, Spring Boot, Django, and microservices architecture, integrating RESTful APIs, and managing complex data workflows with MongoDB, MySQL, and PostgreSQL. Experienced in deploying cloud-native applications on AWS, orchestrating containers with Docker and Kubernetes, and implementing automated CI/CD pipelines to streamline development and ensure reliable, continuous delivery.

SKILLS:

Languages: TypeScript, JavaScript, Java, Python, SQL

Frontend Frameworks/Libraries: Angular 10+, React.js, Next.js, Redux, Bootstrap 5, jQuery

Backend Frameworks/Libraries: Node.js, Django, J2EE, Spring Boot

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, Firebase Realtime DB, DynamoDB, MySQL, SQL

Tools: Git, GitHub, Jenkins, Postman, Chrome DevTools, JIRA, Figma, Docker, VSCode, Atom

Testing & Debugging: Jest, Cypress, Enzyme, Lighthouse, Junit, Mockito

Deployment & CI/CD: GitHub Actions, Docker, Kubernetes, Jenkins

Methodologies: SDLC, Agile/Scrum, Waterfall

EXPERIENCE:

JPMorgan Chase & Co., TX | Senior Software Engineer — **Jul 2024 – Present**

- Developed a full-stack solution using Spring Boot, Node.js, and React.js to aggregate real-time financial data from multiple internal and external sources, reducing data processing latency and providing interactive dashboards used by over 1,000 global financial analysts.
- Engineered a microservices architecture with Docker, Kubernetes, Apache Kafka, and RabbitMQ to automate settlement reconciliation workflows, reducing settlement processing time from several hours to under 40 minutes per batch, improving trading desk efficiency.
- Designed and implemented over 100 RESTful and GraphQL API endpoints, secured with OAuth2, enabling integration between internal banking systems and external financial data providers, handling 300,000 API calls daily monitored by Prometheus and Grafana.
- Implemented intelligent alerting and monitoring for high-volume transaction systems using Datadog and AWS CloudWatch, reducing incident response time from hours to under 15 minutes per critical event and ensuring uninterrupted trading operations.
- Managed authentication and authorization using OAuth2 and JWT for internal and third-party integrations, protecting sensitive financial data for over 200 internal applications and 50 external integrations, ensuring compliance with corporate security policies.
- Carried out automated CI/CD pipelines with Git, Docker, Kubernetes, and automated testing frameworks, streamlining build, test, and deployment processes across development, staging, and production environments, enabling daily releases and ensuring robust system stability.
- Integrated Elasticsearch into Spring Boot services to index over 6 billion trade records, enabling fast lookups and complex queries, supporting 70,000+ user search queries daily with sub-second response times, significantly improving data retrieval for analysts.

Hexaware Technologies | Software Engineer — **Oct 2020 - Dec 2022**

- Spearheaded architecture of component-based front-end solutions using Angular 10+ and TypeScript for healthcare workflows, enhancing user experience, streamlining clinician tasks, and ensuring uninterrupted access to critical patient care systems.
- Created and deployed secure, scalable RESTful APIs with Node.js and Express to support concurrent access to patient records and external EHR systems, handling over 10,000 daily requests with zero downtime over six months, ensuring seamless clinical operations.
- Applied automated cron jobs for healthcare data aggregation, system health checks, and reporting workflows, cutting manual effort significantly and enhancing reliability; collaborated closely with QA and product teams via JIRA to deliver features on schedule.
- Constructed modular, interactive UI components with React.js and Redux, optimizing performance using lazy loading and memoization, resulting in faster page load times and enhanced clinician and patient interaction across multiple portals.
- Led a large-scale UI migration from legacy CSS to Tailwind CSS across multiple patient-facing portals, enforcing consistent design patterns, reducing styling effort across 5+ applications, and streamlining UI maintenance for future enhancements.
- Established CI/CD pipelines using Docker for containerization and Terraform for infrastructure provisioning, managing deployment, testing, and monitoring of healthcare applications, reducing downtime and ensuring compliance with hospital IT policies.

Zensar Technologies | Software Engineer — **Mar 2019 - Sep 2020**

- Refactored Node.js APIs and redesigned MongoDB collections for a financial transaction platform, improving transaction processing and data synchronization, enabling faster operations for finance analysts and ensuring smoother end-of-day reconciliations across client accounts.
- Optimized Node.js backend for a financial reporting platform, handling 200,000+ daily transactions, implementing caching, error handling, and database queries to ensure reliable, low-latency performance and seamless integration with frontend dashboards and external systems.
- Migrated and maintained AngularJS modules to Angular 6+ for employee-facing financial reporting and client portfolio management tools, enhancing accessibility, responsiveness, and overall usability for over 5,000 regular users across different departments.
- Architected and executed comprehensive Postman test suites for RESTful APIs in fund transfer and account reconciliation systems, seamlessly integrating tests into CI pipelines, detecting critical bugs earlier, and reducing user acceptance testing cycles for faster deployment.
- Built Python and Bash scripts to automate critical daily tasks, including log backups, transaction audit reports, and server health checks, saving over 60 hours of manual work monthly and improving overall reliability of financial systems.
- Participated actively in sprint planning, backlog grooming, and retrospectives for a real-time credit risk dashboard project, contributing to faster feature delivery, improved sprint goal achievement, and better collaboration across finance-focused teams.

EDUCATION:

Master of Science in Computer Science | University of North Texas, Denton, Texas — **Jan 2023 -May 2024**