Kavya Chowdary Immanni
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Professional Summary:

- Frontend & Java Developer with expertise in building responsive, dynamic web applications using React.js, JavaScript (ES6+), HTML5, CSS3, and Tailwind CSS, ensuring seamless UI/UX experiences.
- Strong experience in RESTful API integration and backend development using Java (Spring Boot), Node.js, and MongoDB, optimizing data flow and application performance.
- Developed modular, reusable UI components, enhancing content search ability and improving user workflows by 30% for enterprise web applications.
- Implemented SQL query optimizations and Java JDBC enhancements, improving database performance by 15% and streamlining data retrieval in banking and e-commerce applications.
- Automated localization processes for software products, reducing turnaround time from 3-4 weeks to 4-5 days, improving global product accessibility.
- Experience in Agile, Scrum, and Test-Driven Development (TDD), using JIRA, Git, Selenium WebDriver, and ensuring smooth software delivery with CI/CD pipelines.
- Strong collaboration skills with cross-functional teams, UX designers, and backend developers, delivering high-performance, accessible, and scalable web solutions.

Education:

- **Saint Louis University**   **Dec 2024**
  MS in Computer Science
- **GRIET**   **July 2021**
  Bachelor's in Computer Science

Technical Skills:

- **Frontend Development & UI Engineering:** JavaScript (ES6+), TypeScript, HTML5, CSS3, React.js, Next.js, Vue.js, Tailwind CSS, Material-UI, Bootstrap, SASS/SCSS, Redux, Context API.
- **Backend Development & API Integration:** Java (Spring Boot), Node.js (Express.js), PostgreSQL, MySQL, MongoDB, RESTful APIs, GraphQL, WebSockets, Postman
- **Software Development & DevOps:** Git, GitHub, GitLab, Jenkins, Docker, Kubernetes, AWS (S3, Lambda, API Gateway), Azure, Google Cloud, Netlify, Vercel, Microservices, Serverless Architecture
- **Performance Optimization & Security:** Code Splitting, Lazy Loading, Webpack Optimization, Lighthouse Audits, OAuth, JWT, Firebase Auth, OWASP Security Best Practices
- **Soft Skills & Agile Methodologies:** Agile, Scrum, Kanban, Jira, Cross-functional, Problem-solving, Critical Thinking

Professional Experience:

Software Engineer   **Apr 2024 – Nov 2024**
Capital One

- Designed and developed microservices-based backend applications using Java (Spring Boot), Hibernate, and RESTful APIs, enabling seamless financial transactions for banking clients and efficient order processing for ecommerce platforms.
- Optimized database queries & implemented strategies in PostgreSQL & MongoDB, improving query time by 20%, ensuring faster payment processing in banking applications & real-time inventory updates in e-commerce.
- Integrated secure authentication and authorization mechanisms using OAuth2, JWT, and Spring Security, enhancing fraud prevention in banking transactions and securing user data for e-commerce platforms.
- Enhanced API performance by implementing caching mechanisms & asynchronous processing using Java Concurrency, reducing response times by 30% for loan approvals in banking and checkout flows in e-commerce.
- Developed event-driven architecture using Kafka and RabbitMQ, enabling real-time transaction monitoring for banking firms and improving order tracking systems for e-commerce clients.

- Collaborated with DevOps teams to automate CI/CD pipelines using Jenkins, Docker, & Kubernetes, reducing deployment time by 40%, ensuring high availability for banking & smooth seasonal scaling for e-commerce traffic.

Software Engineer   **Jan 2022 - Dec 2022**
Cloud Software Group
- Developed highly responsive web applications using React.js, JavaScript (ES6), HTML5, CSS3, and Material UI, ensuring cross-browser compatibility and optimal user experience.
- Designed and implemented reusable, modular UI components, improving code maintainability and reducing development time by 40% for dynamic content-driven applications.
- Integrated RESTful APIs with frontend components, optimizing data fetching and state management using React Query and Redux, leading to a 25% improvement in page load speed.
- Developed and optimized server-side components in Java (Spring Boot) for backend integration, enhancing system scalability and reducing API response time by 30%.
- Enhanced localization support by implementing an automated i18n framework, reducing translation deployment time from 3-4 weeks to 4-5 days, improving global accessibility.
- Implemented unit and integration testing using Jest, React Testing Library, and JUnit, ensuring high code coverage and minimizing production defects by 50%.
- Utilized JIRA and Agile methodologies for sprint planning, issue tracking, and feature prioritization, accelerating development cycles and ensuring on-time project delivery.

Associate Software Engineer - India   **Aug 2021 – Dec 2021**
NPCI
- Developed and optimized dynamic SQL queries using Java JDBC, enhancing database interaction efficiency and reducing query execution time by 15%, ensuring faster transaction processing for banking clients.
- Built and maintained responsive UI dashboards and data entry forms using React.js, JavaScript (ES6), HTML5, CSS3, and Java, streamlining internal workflows and improving data entry efficiency by 30%.
- Integrated email notifications using Java and Spring Boot, automating transactional alerts for banking clients, reducing manual intervention and improving customer engagement.
- Collaborated with UX teams to improve UI/UX of internal banking applications, ensuring accessibility and seamless navigation, leading to a 20% reduction in user-reported issues.
- Designed and implemented a real-time fraud detection dashboard for an E-commerce client, leveraging Java and React.js, reducing fraudulent transactions by 25% through enhanced visibility and monitoring.
- Resolved high-priority performance issues for a banking client's loan processing system, optimizing Java-based backend services and reducing API response time by 35%, ensuring faster loan approvals.
- Enhanced checkout flow for a leading E-commerce platform by optimizing frontend state management & integrating secure payment APIs, reducing checkout errors by 40% & boosting successful transactions.
- Led the migration of legacy JSP pages to React.js, modernizing UI components for banking portals and improving page load times by 50%, ensuring a smoother customer experience.

Projects:
Expense Management Application   **Aug 2024 – Sep 2024**
- Developed a full-stack MERN web application focused on personal finance management. Designed a responsive user interface with React.js, allowing users to filter transactions by type and frequency. Integrated interactive charts using libraries like Chart.js to visualize expenses and income trends.

Multiplayer Hand Cricket Game with Chat Application   **Mar 2024 – May 2024**
- Developed a multiplayer hand cricket game in Python using Pygame for graphics and socket programming for networking. Managed game sessions, player moves, and scores through a server, providing a graphical interface for player input and game information.