Vinay Varma
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EDUCATION:

Master of Science in Computer Science   **08/2022 – 05/2024**
George Mason University, Fairfax, Virginia, USA

Bachelor of Technology in Computer Science and Engineering   **08/2016 – 09/2020**
Jawaharlal Nehru Technological University, Hyderabad, India

WORK EXPERIENCE:

George Mason University   **09/2023 – 06/2024**
Graduate Teaching Assistant
- Evaluated over 100 assignments and examinations, ensuring fair and consistent grading by adhering to established rubrics, which improved grading accuracy by 20%.
- Conducted 10+ review sessions and study groups per semester, averaging 20 students per session, which increased student performance and engagement by 30%.

IBI Group   **08/2019 – 07/2022**
Application Engineer
- Led a cross-functional team using SDLC methodologies to deliver a $1.2 million project on time and within budget, resulting in a 25% increase in client satisfaction.
- Implemented Redux for centralized state management and TypeScript for enhanced type safety in large-scale React applications, leveraging modern JavaScript tooling (ES6, NPM, webpack) and testing frameworks (Chai, Mocha), which boosted developer productivity by 30%.
- Developed and deployed new user stories and features with high quality, following coding standards and focusing on security, reliability, and operational efficiency, reducing production incidents by 40%.
- Utilized React Native 3rd party libraries and component libraries such as MUI and Tailwind, ensuring robust and efficient application development.
- Employed CI/CD pipelines using Jenkins and GitHub for automated testing and deployment, enhancing the development workflow and minimizing manual interventions.
- Designed and implemented 100+ API endpoints for efficient data exchange between frontend and backend systems using ReactJS and Spring Boot, improving data handling efficiency by 50%.

Code-Now   **07/2018 – 08/2019**
Software Engineer
- Delivered key initiatives as a JavaScript Developer within an agile project environment, providing technical insights and expertise in Spring Boot, which accelerated project timelines by 20%.
- Enhanced app performance by 40% through the implementation of React Native hooks and optimized state management with Redux.
- Created and deployed 15+ JSON APIs and applications using JavaScript and AWS, which improved project success rates by 25%.

TECHNICAL SKILLS:
- *Programming Languages:* Java, JavaScript, Python
- *Development Frameworks:* React.js, React Native Angular, Node.js, Express.js, npm, yarn, Tailwind, CSS
- *Databases:* SQL Server, MySQL, PostgreSQL, MongoDB
- *Cloud Technologies:* AWS (S3, EC2, Lambda), Microsoft Azure
- *Other Tools:* SharePoint, Jira, Postman, Git, Eclipse, IntelliJ, Docker, Kubernetes, Jenkins, Postman

PROJECTS:
CurbIQ
- Led the creation of a highway asset management system using React functional components with hooks and Redux, which increased system reliability by 10% and reduced bug resolution time by 20%. Enhanced app performance by 40% through React hooks, Redux, and React Router, and optimized state management by 55% with Redux-Sagas.
  Technologies Used: Python, Django, React.js, Redux, Hooks

NSpace
- Integrated Node.js microservices for seamless communication with internal and external 3rd party services via REST APIs, and engineered full-stack web applications using ReactJS and Django, designing and implementing 100+ API endpoints, which improved data exchange efficiency between frontend and backend systems by 50%.
  Technologies Used: React Native, Tailwind, MUI, MapBox, NodeJS, TypeScript