VINAY VARMA
SOFTWARE DEVELOPER

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EDUCATION

Master of Science, Computer Science	Expected May 2024
George Mason University, Fairfax, VA	**GPA: 3.68/4.0**
Bachelor of Technology, Computer Science & Engineering	Graduated Sept 2020
CMR College of Engineering and Technology, Hyderabad, India	**GPA: 9.13/10**

TECHNICAL SKILLS

Programming Languages & Frameworks: **Python**, C#, C++, C, **Java**, JavaScript, React, Angular, Bootstrap, Vue

Back-End & Front-End Development*:* **NodeJS**, Express, GraphQL, **Redux**, **Django**, MongoDB, PostgreSQL

Tools & DevOps*:* Postman, **Jenkins**, **Jira**, Git, GitHub**,** Docker, **Kubernetes**, AWS, **Linux**, Mocha

PROFESSIONAL EXPERIENCE

IBI Group	*Telangana, INDIA*
Associate Product Manager Software Development Engineer I (SDE – 1)	*August 2021 – July 2022*

- Led creation of CI/CD pipelines, code review processes, and test automation for product releases, accelerating deployment velocity by 60% and improving quality.
- Successfully led a software development team, delivering a project worth $1.2 million on time and within budget with SDLC.
- Pioneered **NgRx** for state management and **TypeScript** for type safety in large-scale **Angular** applications, enhancing developer productivity with ES6, NPM, webpack and testing frameworks as **Chai** and **Mocha**.

Associate Software Developer	*November 2019 – August 2021*

- Built **JavaScript** and **Python** solutions that boosted employee efficiency by 30%, showcasing strong productivity.
- Led integration of Python and C++ scripts for automating unit tests, resulting in an impressive 50% reduction in testing time
- Optimized code efficiency by 20% through effective debugging and troubleshooting, ensuring robust and reliable software.

Software Developer Intern	*August 2019 – November 2019*

- Developed scalable cloud-based web applications using **Java, Spring Boot** and ASP.NET MVC supporting 50,000 users.
- Implemented centralized authentication using Spring, **JWT**, decreasing redundant identity management flows by 70%
- Containerized and deployed 80 Java Spring Boot microservices to **AWS ECS**, leveraging **Docker** and **Kubernetes** for high availability. Optimized services for horizontal scalability.

PROJECTS

Digital Ledger and Payroll Management System

- Designed and coordinated a highway assets management system using React functional components with **hooks** and Redux.
- Executed app with React hooks, Redux, react-router, boosting app performance by 40%
- Followed front-end best practices with Redux-Sagas, cutting state management time by 55%
- Crafted 50+ custom components, agile forms using React-hooks-forms, and a scalable modal component using React Portals.

CurbIQ (Digitization of Curbside Regulations)

- Integrated **Node.js** micro services for seamless communication with internal and external 3rd party services via REST APIs
- Developed innovative full-stack web applications using ReactJS, Django, and writing 100+ APIs.
- Architected Postgres databases supporting complex analytical queries for real-time analytics over 10 billion data points.
- Expanded the website's userbase by 25% while reducing page load times by an impressive 40%, emphasizing improvements in front-end optimization and user experience.

NECE Toll System (Closed Toll Collection System)

- Implemented highly accurate vehicle processing at over 90% precision utilizing **C#** and **.NET MVC** architecture principles, guaranteeing smooth and secure toll operations.
- Managed the processing of approximately 1 million transactions daily, around 1 TB data using **SQL databases**.
- Conducted data analysis used **Tableau** visualizations for key attributes (>10) to identify factors impacting income.

AWARDS & CERTIFICATIONS

- Meta Front-End Developer | Coursera
- Smart City Hackathon, 2018 | Regional finalist team member
- Certified in React | HackerRank
- Certified Front-End UI Developer | Coursera

SOFT SKILLS

- Communication
- Team Collaboration
- Leadership and Influence
- Agile Methodology