Vamshi Krishna

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Summary

Experienced Software Developer with nearly **3 years** experience in **Full Stack Development**. Specialized in optimizing and scaling systems, proficient in **Python, JavaScript(React), Java, AWS, SpringBoot and Microservices Architecture**. Actively seeking full-time opportunities in the USA to leverage expertise in delivering innovative software solutions.

Education

University of North Texas, Denton	**Jan. 2023 – Present**
*Master of Science in Information Systems and Technologies, **GPA: 4.0***	*Denton, Texas*
Indian Institute of Technology, Ropar	**Jul. 2016 – Jun. 2020**
Bachelor of Technology in Mechanical Engineering	*Punjab, India*

Technical Skills

Programming Languages : Python, JavaScript, Java, TypeScript, C++, HTML/CSS, MySQL
Web Development :ReactJS, NextJs, NodeJs, React Native, SpringBoot, FastAPI, REST APIs, GraphQL
Databases :MongoDB, PostgreSQL, Snowflake
Cloud Platforms :AWS (Certified Developer Associate), Google Cloud, Kubernetes
Software Development:Algorithms, Object-Oriented Programming (OOP), Microservices, Design Patterns, Git, Jira, Agile Methodologies, Maven, MVC

Experience

Senior Software Developer   *Tata Consultancy Services*, India   *Oct. 2020 – Dec. 2022*

- Pioneered the creation of the NiEOCOM project, a microservices-based, headless commerce platform for elite US-based clients like FreshThyme, Chobani, and Holiday Meals.
- Implemented impactful UI enhancements using ReactJS and NextJS, boosting session duration by 20% and reducing bounce rates by 15%. Optimized state management, cutting loading times by 30%.
- Developed a recommendation model with Python and TensorFlow, achieving 90% accuracy and integrating APIs into the e-commerce platform.
- Led a cross-functional team of 6 in developing and launching a comprehensive e-commerce solution, resulting in a 40% increase in client engagement and a 25% rise in sales within the first quarter.
- Designed and built 15+ RESTful APIs with Spring Boot, utilizing Java, MongoDB, Hibernate, and PostgreSQL, improving data processing efficiency by 25%.
- Revamped deployment processes using Docker, Kubernetes, and CI/CD pipelines, reducing deployment time by 30% and achieving 96% uptime.

Web Developer Intern   *CodeUnity*, India   *Jun. 2020 – Sept. 2020*

- Spearheaded the development of TS-bPASS Admin Console using ReactJS and React hooks, integrating GraphQL and RESTful APIs, resulting in a 25% reduction in data exchange latency.
- Crafted Admin and User Consoles for OHR using React, integrated Redux for state management, and implemented MVC architecture, achieving a 30% improvement in page loading speed and enhanced scalability through reusable components.

Front End Developer Intern   *Azgaurd*, India   *May. 2019 – Aug. 2019*

- Implemented scalable UI components using ReactJS with SCSS, optimizing performance by 30% through efficient styling and component reuse. Orchestrated KYC verification functionality and Redux state management, ensuring a seamless user experience and integration with GraphQL APIs for the WeInvest client's website.

Projects

Product Recommendation System | *Python, SQL, TensorFlow, Pandas, scikit-learn*

- Engineered a robust recommendation engine with Python, TensorFlow, Pandas, and scikit-learn, achieving 90% accuracy. Integrated RESTful APIs to personalize user experiences on the e-commerce platform.

Chobani and FreshThyme | *Next.js, Material-UI, Spring Boot, MongoDB, RESTful APIs*

- Enhanced cart page UI with Next.js and Material-UI, improving user interaction by 25%. Developed RESTful APIs for product browsing and backoffice portals using Spring Boot and MongoDB, optimizing operations and data management.

Sorting Visualizer | *Python, Pygame*

- Independently developed a Sorting Visualizer project in Python, leveraging the Pygame library for real-time graphics rendering. Implemented various sorting algorithms enhancing algorithmic proficiency and visualization techniques.

Awards/Achievements

- Ranked in the Top 0.1% of 1.2 million students in the 2016 IIT JEE Advanced exam.
- Received 40% tuition fee waiver at UNT. Received Merit cum Means scholarship at IIT ROPAR for academic excellence