**VISHWAMSH ARYAN VADLOORI**

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Full-Stack Developer and Software Engineer specializing in scalable web applications across front-end and back-end systems. Proficient in modern frameworks such as React, Next.js, and TypeScript, alongside backend technologies including Node.js, Python, and Java. Experienced in architecting distributed systems with Kubernetes, Kafka, and Redis, while optimizing databases like PostgreSQL. Skilled in Agile methodologies and CI/CD automation, ensuring high-performance software solutions.

**SKILLS**

**Frontend Development:** React, Next.js, TypeScript, HTML5, CSS3, JavaScript, Redux, React Query, React Hook Form

**Backend Development:** Node.js, Python, Java, RESTful APIs, Microservices, Event-Driven Architecture

**Databases and Caching:** PostgreSQL, MongoDB, SQL, Redis

**Cloud and DevOps:** Kubernetes, Docker, CI/CD (GitHub Actions, Jenkins), AWS

**Tools and Methodologies:** GitHub, Agile/Scrum, Kafka, Jira, Visual Studio, Postman

**Testing:** Selenium, Jest, Cypress, Integration Testing

**PROFESSIONAL EXPERIENCE**

**Holiday Channel**, RemoteSep 2024 - Present

**Full-Stack Developer**

* Developed dynamic React UIs for marketing sites, creating reusable components that ensured consistency and maintainability.
* Applied React Query and React Hook Form to optimize data fetching and simplify form handling, enhancing user experience.
* Implemented state management using Next.js and Redux, enabling server-side rendering, API hydration, responsive designs.
* Designed RESTful APIs in Node.js for real-time synchronization, utilizing Redis caching to handle high-frequency transactions.
* Collaborated with the DevOps team to deploy containerized applications using Kubernetes, ensuring zero-downtime updates.
* Built PostgreSQL schema for dynamic content, optimizing queries with indexing and partitioning for efficient data retrieval.
* Automated CI/CD with GitHub Actions for smooth integration, testing and deployment across staging and production setups.
* Leveraged Selenium for E2E testing to validate user workflows, ensuring seamless system interactions and robust functionality.

**Jennis Technologies LLC**, Dallas, TXSep 2023 - Sep 2024

**Software Engineer**

* Developed dynamic and responsive web UIs using React, ensuring cross-browser compatibility and accessibility across devices.
* Built event-driven microservices using Kafka for real-time data, enabling async communication between backend systems.
* Migrated Java apps to Next.js and TypeScript, improving maintainability and enabling server-side rendering for better SEO.
* Designed backend APIs in Python and Node.js with PostgreSQL for transactions and MongoDB for unstructured content.
* Managed Kubernetes clusters for AWS deployments, optimizing resources AND auto-scaling to minimize infrastructure costs.
* Applied Redis caching for sessions and high-traffic endpoints, reducing database load and boosting performance during peaks.
* Led Agile ceremonies (sprint planning, retrospectives), aligning cross-functional teams to accelerate major product releases.

**ACADEMIC PROJECTS**

**Library Management System | Borrow Me**

* Built a gadget-borrowing system with Python and MySQL, following the iterative SDLC model to improve inventory tracking.
* Enhanced UX through optimized data retrieval and input workflows, ensuring seamless functionality for borrowing activities.

**QR Code Scanner**

* Developed a mobile app with Android Studio APIs, integrating QR scanning capabilities to support instant code recognition.
* Conducted sprints using Agile principles, ensuring efficient feedback loops and continuous improvement during development.

**Automated Sales Data Management System**

* Imported and cleaned sales data from Excel/JSON files, transforming it into a structured format for SQL database integration.
* Automated data updates with Python, generating actionable insights using SQL queries and interactive visual reports in Excel.

**EDUCATION**

**University of Texas at Arlington,** Arlington, TXAug 2021 - Aug 2023

Master of Science in Computer Science

* **Relevant Coursework:** Design Analysis and Algorithms, Artificial Intelligence, Database Systems, Secure Programming, Advanced Software Engineering.