Sushmitha Prathap

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Summary:

Software Engineer with 3+ years in TypeScript, React, Node, and cloud-native development. Proven track record in building high-quality, scalable solutions and delivering seamless user experiences in Agile environments

Professional Experience:

Software Engineer | KeelWorks, Oak Harbor, WA   July 2024 - Present
- Migrated MySQL databases from **AWS** to **Linode**, achieving cost efficiency while maintaining performance and reliability
- Collaborated with cross-functional teams to develop and deploy a chatbot application using **React**, **OpenAI Whisper AI**, and **GPT-3.5 Turbo**, focusing on intuitive design and enhancing user experience through context-aware responses

Full-Stack Developer | One Community Global, San Gabriel, CA   March 2024 - June 2024
- Developed dynamic web pages using **React** and **JavaScript**, emphasizing reusability and maintainability
- Optimized server performance in **Node.js** by implementing middleware for logging, caching, and request validation, reducing server load and improving request handling efficiency
- Designed and executed **Unit** and **Integration tests** using **Jest**, ensuring reliable code with a 95% test coverage rate
- Led **PR reviews** and coordinated team efforts in weekly meetings, fostering a collaborative engineering environment

Software Engineer | Murmuration Solutions Private Limited, Bangalore, India   March 2020 - July 2022
- Designed and developed a cross-device **Learning Management System (LMS)** using **React** and **React Native**, ensuring optimal performance and responsiveness across devices, increasing user engagement by 40%
- Built a library of complex, reusable components using TypeScript to standardize and accelerate the development process across platforms (web and mobile), enabling faster time-to-market for critical update
- Integrated **GraphQL** and **REST APIs** to optimize data querying, reducing server load, and improving application responsiveness in real-time environments
- Architected and implemented the **backend-for-frontend layer**, streamlining API interactions and reducing data retrieval time by 40%, optimizing data flow between the frontend and backend
- Leveraged AWS services such as **Lambda** and **S3** for serverless backend functionality, ensuring scalability and availability
- Implemented **CI/CD** pipelines using **GitHub Actions**, integrating testing and linting to reduce production bugs and increase deployment efficiency by 20%

Freelance Software Developer | Yujana Infomedia, Bangalore, India   November 2020 – March 2021
- Built reusable **React Native** components and integrated **Firebase** for secure authentication, real-time messaging, and **AWS S3** for data storage
- Spearheaded the migration to **React Hooks**, simplifying the codebase and improving performance to enhance **scalability** for handling increased **user demand**
- Conducted user market research and utilized **Figma** to lead design discussions, enhancing the overall user experience through data-driven insights

Software Developer | Enmarq Technologies, Bangalore, India   January 2019 - February 2020
- Enhanced front-end components using **React**, integrating with complex backend APIs, reducing user interaction friction by 15% and led **User Acceptance Testing** (UAT) and resolved bugs, ensuring timely, high-quality releases
- Implemented backend services using **Java** and **Spring Boot**, ensuring efficient APIs and scalability

Skills:

- **Languages:** JavaScript ES6, TypeScript, Python, Java, C
- **Web/Mobile Development:** HTML, CSS (SASS, Bootstrap, Tailwind CSS), ReactJS, React Native, Redux, React Hooks, Next.js, Figma, JSON, Webpack, REST APIs, GraphQL, WebSockets, Node.js, Express.js, Spring Boot
- **Cloud & DevOps:** AWS, GCP, IaC (Terraform, Pulumi), CI/CD (GitHub Actions, Jenkins)
- **Tools & Frameworks:** Docker, Kubernetes, Git, JIRA, Jest, React Testing Library, Postman, Swagger, RabbitMQ, Kafka
- **Databases:** MySQL, Oracle SQL, MongoDB, PostgreSQL, Redis
- **Soft Skills:** Stakeholder Management, Team Collaboration, Problem Solving, Agile Practices, Experience with startups
- **Certification:** AWS Certified Cloud Practitioner

Education:

Master of Science in Information Systems   September 2022 – May 2024
Northeastern University, Boston, MA   CGPA: 3.7/4.0