Shreyas Balaji Nagaraja

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TECHNICAL SKILLS

Programming Language: Java, JavaScript, Python, C#
Frontend: React JS, Angular, Tailwind CSS
Backend: Spring Boot, Node JS, .NET
Libraries and Tools: Docker, HashiStack, CloudFormation, Shell Scripting, Ansible, Github actions
DevOps and Cloud: Docker, Terraform, Actions, AWS, GCP

WORK EXPERIENCE

Software Engineer Intern (DevOps)

ResMed Inc, Nova Scotia, Canada   *May 2024 - Present*

- Developed a new version of ECS app deployment using Infrastructure as Code (Terraform) which saved 5% of the AWS costs and resulted in appreciation from stakeholders. .
- Switched workflow authentication to Github app tokens which resulted in safer sparse checkout of files needed by CI run.
- Wrote API endpoints which processes real-time data and test cases using C# and xUnit which improved the functionality of the tool and increased test case coverage by 3% .
- Enabled deployment of a test tool by generating Docker image and connecting it to the 3 different Terraform deployment.
- Integrated automation testing as a step in the CI/CD pipeline of the tool for double checking of the pushed code resulting in overall test suite coverage by 24%.

Associate Software Engineer (Full Stack)

Xoriant Solutions Pvt Ltd, Maharashtra, India   *September 2021 - July 2022*

- Architected and implemented a highly fault-tolerant internal tool leveraging React, JavaScript, Spring Boot, Redux and MySQL, streamlining the user response collection process and saving the client an average of 20 hours per week because of the efficient storage and processing system.
- Leveraged Formik and Lazy Loading to optimize system responsiveness and Redis as cache storage for faster retrieval speeds, resulting in a 7% improvement in overall efficiency causing more user engagement.
- Managed the codebase using Git which enabled seamless collaboration with a team of 5 members and ensured code consistency and reliability.
- Debugged existing and wrote test cases using Jest and Cypress which detected a website crash, thus clearing 2 backlog stories.
- Spearheaded Agile and Scrum methodologies to drive effective development of the application, resulting in a 25% reduction in development time and improved team collaboration

EDUCATION

Dalhousie University   **Halifax, Nova Scotia, Canada**
Master of Applied Computer Science   *January 2023- September 2024*
Visvesvaraya Technological University   **Belagavi, Karnataka, India**
Bachelor of Engineering in Computer Science   *August 2017 - August 2021*

PROJECTS

- **Go-Meals**, A B2B app built using React JS, Spring Boot and MySQL for handling subscrtiption based meals delivery. Collaborated with a team of 4 using Jira and GitLab GitHub
- **Food Order Management System**, Online food order platform deployed using AWS Cloudformation. Individual project built as a patrt of coursework. GitHub
- **Custom Inventory Management System**, A comprehensive web application designed using React JS, SpringBoot and MySQL specifically for retail stores to streamline and enhance their inventory management processes. Deployed using Docker and Netlify GitHub