

Ankith Aralehalli Shankar

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Graduate Student in Computer Science looking for Full Time opportunities; 4 years of Full Stack Development Experience

EDUCATION

Arizona State University, Tempe, Arizona, USA | Masters in Computer Science | GPA: 4/4 **May 2024**

Coursework: Distributed Software Development, Data Structure & Algorithms, Microservices and Scalability

Dayananda Sagar College of Engineering | Bachelors in Information Science **May 2019**

Coursework: Object Oriented Programming, Database Management System and Machine Learning

TECHNICAL SKILLS

Languages: C#, Python, Java, JavaScript, TypeScript, Groovy, NodeJS, SQL, Bash, HTML, SCSS

Frameworks: React, Redux, Angular, Spring Boot, StencilJS, Express, ASP.NET, ASP.NET Core, Blazor

DevOps: Kubernetes, Docker, Gitlab CI/CD, Jenkins, Playwright, Splunk, Prometheus

Databases: Postgres, MongoDB, Neo4j, CosmosDB, Redis

Other: AWS, Azure, GCP, Microservices, Webpack, Accessibility, Multi Tier Architecture, Agile, gRPC, REST, Linux, Kafka, Event Hub, ELK Stack, Git, JIRA

PROFESSIONAL EXPERIENCE

Intel Corporation, Chandler, USA: Software Engineer Graduate Intern (Full Stack) **May 2023 - Present**

- Developed **Kubernetes-based Docker** virtualization software for automated testing, yielding **60%** reduction in testing time
- Built **Jenkins** pipeline utilizing **Groovy** scripts to trigger **Docker Compose** scripts for conducting end-to-end testing of the Skyline core stack with **Playwright**.
- Conducted **load testing** of the backend service built using **ASP.NET Core** and performed significant optimizations that bolstered its capacity to support **multiple concurrent users** across different regions
- Worked on key features in virtualization software dashboard, using **Blazor** and **ASP.NET Core**
- Collaborated in developing **CI/CD pipelines** using **Jenkins, Azure and Powershell** for ASP.NET Core services

Ideacrest Solutions: Full Stack Developer

July 2020 - July 2022

LCA Tracing System

- Led a team of **4 people**, ensuring the successful and timely completion of the project
- Coded fundamental **React** components utilized across multiple websites, resulting in **40%** reduction in code redundancy

Carbon Impact & Carbon Offset Widgets

- Identified and addressed the bottleneck in impact widgets by removing the dependency of Zone.js in the **Angular web components**; improved performance by **85%** and reduced bundle size by **55%**
- Rewrote the offset widgets with **StencilJS** and **GTM**; which was incorporated by **200+** clients and had **millions** of visits

Simplizero Consumer Offsets

- Drove development of build pipeline and architecture for caching and routing policies for **React** and **NodeJS** applications utilizing **Gitlab CI/CD, Puppeteer, Docker, AWS ECS, Cloudfront, and S3**
- Optimized **Google Page Speed** of the website to **92%**, which increased customer engagement by **10%**

Carbon Offset Order Processing Engine

- Designed carbon offset order pipeline using **NodeJS, AWS SQS and SNS** which was processing around **100 orders/minute**

Centralized Services & DevOps

- Built the Authorization Server using **AWS Cognito and NodeJS** which was performing SSO for **4** websites: enhanced user accessibility by **35%**
- Implemented unified billing system using **Stripe, NodeJS and Chargebee**; automated manual payments by **80%**
- Collaborated in implementing inter-service communication between **NodeJS microservices** leveraging **AWS SQS and SNS**

Zetwerk & Precept Labs: Software Engineer (Full Stack)

June 2019 - August 2020

- Recommended and made design revamp of Issue Tracking Portal using **Angular**; optimized user experience by **25%**
- Performed aggregation of store and order data stored in **MongoDB**; dropped the latency by **40%**

PROJECT

Pothole Detection System using Raspberry Pi and Deep Learning

January 2019 - April 2019

- Utilized SVM for detection of potholes and PCA was used to reduce the features from **60** to **20**
- Boosted the pothole detection by **15%** with the use of Sense-HAT Sensor and Raspberry Pi
- Presented model using an Android Application and displaying upcoming potholes, improving the driving experience by **35%**

LEADERSHIP

- Teaching Assistant of **CSE 445 Distributed Software Development** using **C#** and **ASP.NET** for around 700 students
- Led a team of 100 people in Swachh Vidarthi, Swachh Vidyalaya and Swachh Gruha initiative by ISKCON Foundation