Ankith Aralehalli Shankar

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Graduate Student in Computer Science looking for Full Time opportunities; 4 years of Backend 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: Java, C#, NodeJS, Python, TypeScript, SQL, Bash, HTML, SCSS, JavaScript
Frameworks: Spring Boot, Express, ASP.NET, ASP.NET Core, Flask, React, Redux, Angular, StencilJS, Blazor
DevOps: Kubernetes, Docker, Gitlab CI/CD, Jenkins, Playwright
Databases: Postgres, MongoDB, Neo4j, CosmosDB, Redis
Other: AWS, Azure, Microservices, Agile, gRPC, REST, Linux, Azure Service Bus, Event Hub, ELK Stack, Git, JIRA

PROFESSIONAL EXPERIENCE

Intel Corporation, Chandler, USA: Software Engineer Graduate Intern (ASP.NET Core) **May 2023 - Present**

- Contributed to the development of **gRPC** services utilizing **ASP.NET Core, Event Hub** and **Redis** to efficiently retrieve real-time content of the jobs running in **Docker** containers
- Developed **Kubernetes-based Docker** virtualization software for automated testing of ASP.NET Core based Testing Simulation Software, yielding **60%** reduction in testing time
- Collaborated in developing **CI/CD pipelines** for **serverless services** using **Jenkins, Azure Functions and Powershell**
- Conducted **load testing** of the RESTful service built using **ASP.NET Core** and performed significant optimizations that bolstered its capacity to support **multiple concurrent users** across different regions

Ideacrest Solutions: Full Stack Developer (Java) **July 2020 - July 2022**

Centralized Services & DevOps

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

LCA Tracing System

- Led a team of **4 people**, ensuring the successful and timely completion of the project
- Build the LCA engine using **Typescript, Spring Boot and Neo4j** which was providing the carbon impact of fashion products

Carbon Offset Order Processing Engine

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

Simplizero Consumer Offsets

- Drove development of build pipelines for **Spring Boot** microservices utilizing **Gitlab CI/CD, Docker, and AWS ECS**
- Optimized **Google Page Speed** of the website to **92%,** which increased customer engagement by **10%**

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

Zetwerk & Precept Labs: Software Engineer (NodeJS) **June 2019 - August 2020**

- Enhanced the efficiency of REST APIs developed with Node.js by implementing data aggregation of store and order data stored in MongoDB, resulting in a **40%** reduction in latency.
- Recommended and made design revamp of Issue Tracking Portal using **Angular**; optimized user experience by **25%**

PROJECT

Pothole Detection System using Raspberry Pi and Deep Learning **January 2019 - April 2019**

- Developed several **Flask** based services to fetch the pothole data, performing real-time classification of the data using the deep learning model and send data to train the model
- Utilized SVM for detection of potholes and PCA was used to reduce the features from **60** to **20**

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 Vidyarthi, Swachh Vidyalaya and Swachh Gruha initiative by ISKCON Foundation