

Anshul Dalua

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EDUCATION

University of Michigan

Bachelor of Engineering in Computer Science

Relevant Courses: Data Structures, UI/UX, Databases, Web Development, Machine Learning, Mobile App Dev

Ann Arbor, MI

Aug. 2020 – May 2024

EXPERIENCE

Oracle

Software Engineer Intern

May 2023 – Aug 2023

New York City, NY

- Developed a command-line interface tool using Go and Kubernetes for the Verrazano product, converting user's YAML files from Open Application Model to Kubernetes
- Integrated Prometheus and Grafana to an existing dashboard for customers to monitor logs and metrics within the Verrazano metrics stack utilizing Go, Docker and Thanos.
- Utilized Docker for application deployment and leveraged Jenkins for tool's CI/CD pipeline.

Optum United Health Group

Software Engineer Intern

June 2022 – Aug 2022

Basking Ridge, NJ

- Migrated data and API's from an outdated on-prem OpenShift cluster to a more efficient AWS EKS cluster, using Java, Kubernetes, SpringBoot, Maven, Postman and Jenkins, reducing API infrastructure expenses by 84%
- Augmented existing Jenkins pipeline to accommodate for multiple clusters and API's being tested and enabling advanced parameterization, using Java, Spring Boot, Maven, and Docker

Adept Bots

Software Engineer

Mar 2020 – Sept 2021

Remote

- Improved response times and checkout processing speeds by manipulating unconventional website endpoints using Python, Node.js and Axios
- Developed new request mode that was made to emulate a human checking out, using Selenium and Pypeteer
- Developed a Discord bot to monitor and identify unauthorized third-party software reselling activities across various public servers, using leveraging Discord.py

PROJECTS

CollegeDAO | *Typescript, Supabase, Postgres, Next.js, Husky, ether.js, Solidity*

Sept 2022 – Present

- Designed and developed a full-stack web application CollegeDAO Hub that connects blockchain industry with 80+ universities within the CollegeDAO network using Typescript, Supabase and Postgress <https://collegedao.io/>
- Managed a remote team of 10 devs over the course of 3 months building out the backend infra of initial prototype
- Integrated a Distributed Validator Technology system allowing university clubs to stake their eth collectively to support on-campus research and distribute profits

Rocetta | *Typescript, NodeJS, AWS Lambda, Cloudflare, Planetscale, Pulumi, Docker*

June 2023 – Dec 2023

- Developed a full-stack web application using with Pulumi, node.js and Typescript to easily help users quickly deploy to multi-cloud, supporting Azure, AWS and GCP <https://rocetta.com/>
- Created serverless Rest API's with TypeScript for Lambda to dynamically manage user EC2 and RDS instances
- Integrated OpenAI API to intelligently recommend and provision the necessary AWS/GCP services for each user's project.

F1 Calendar | *Typescript, Javascript, HTML, CSS, Python*

Oct 2023 – Dec 2023

- Contributed to open source project f1calendar.com by adding WEC, IMSA and GT World events to calendar, and adding track images to current F1 races using Typescript.
- Created script to scrape future dates of WEC, IMSA and GT World using python

Spotify Playlist Generator | *Javascript, PyTorch*

June 2022 – Aug 2022

- Developed a Javascript script with the official Spotify API to create Spotify playlists based on user-selected artists
- Trained a PyTorch and Theano model with an accuracy rate of 99% using 20,000 songs' data to predict song moods