

Chaitanya Deepthi Kaki

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EDUCATION

San Jose State University

Master of science, Computer Engineering

CGPA: 4.0/4.0

Coursework: C++, Computer Architecture, Enterprise software platforms, Artificial Intelligence and Data Engineering, Data Mining, Human Computer Interaction, Software security technologies.

San Jose, CA, USA

August 2021 - May 2023

Vellore Institute Of Technology

Bachelors of Technology, Electronics and Communication Engineering

CGPA: 3.8/4.0

Coursework: Data Structures and Algorithms, Operating Systems, Object Oriented Programming, Cryptography and Network Security

Chennai, TN, India

July 2016 - June 2020

TECHNICAL SKILLS

- Python
- JAVA
- Javascript
- REST APIs
- Node JS
- React JS
- Kafka
- Flask
- REST API
- Django-Rest Framework
- Boto3
- MySQL
- MongoDB
- Docker
- Jenkins
- CI/CD
- Unit testing
- Amazon Web Services
- Grafana
- Git
- Kubernetes

WORK EXPERIENCE

Software Engineering Intern

Celona Inc

May 2022 - August 2022

Campbell, CA, USA

- Analyzed Celona's AWS and Splunk costs by developing an AWS cost-tracking dashboard
- Used Boto3, an AWS SDK for python to retrieve historical and forecasted cost data for all AWS services being used by the company's tech stack
- Architected an AWS pipeline to get cost data from AWS Billing to S3, and then trigger a lambda function to send data to API endpoint
- Designed Python API and Django Orchestrator to send data to time-series database, InfluxDB
- Created a Grafana dashboard to visualize the costs associated with each AWS service and usage type
- Built a rest API using Django-Rest Framework to serve cost data, in order to facilitate future applications.
- Took ownership in demonstrating the feature demos of the product to senior employees, resulting in constructive feedback and comments
- **Tech stack:** Grafana, InfluxDB, AWS Lambda, AWS S3, Boto3, Django, Rest API, Python, Pandas

PROJECTS

Facebook clone using React JS

- Implemented frontend part of the Facebook Home page with React JS, Google-Firebase for Authentication, and Database Set-Up
- Containerized the application with Docker and Docker Compose and stored the image in AWS ECR
- Fabricated AWS codepipeline that automates deployment to AWS ECS (Fargate), provisioned with Elastic Load Balancer
- **Tech stack:** React JS, AWS, Google-Firebase, CI/CD, Jenkins, Docker

Amazon Shopping Website UI clone using React JS

- Designed the navigation between pages, Sign-In, Home and Checkout, using React-Router-DOM component
- Authentication set-up for the sign-in page is framed using Google-Firebase. Products data on AWS RDS for SQL server.
- Fabricated "Add to Cart" functionality using Redux that transfers data of products from Home page to checkout page
- Automated deployment of application using AWS Amplify and GitHub
- **Tech stack:** React JS, Google-Firebase, AWS

Rentify - A House Rental and Management System

- Built an end-to-end application with three of my teammates for both tenants and landlords to manage all their properties/rentals at one place.
- Used Stripe for processing the payments
- **Tech stack:** MERN stack, Redux

Library API using Gin framework

- Architected an API to add books, checkout, return and view the books that are currently in the library
- Used Gin web framework to create the API
- **Tech stack:** Golang, Gin framework