Rahul Vaidun

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EDUCATION

Georgia Institute of Technology Atlanta, GA   January 2025 -
M.S., Computer Science

University of California, Santa Cruz Santa Cruz, CA   September 2020 - June 2023
B.S., Computer Science | Relevant Coursework: Programming Abstractions Python, Computer Systems, Assembly Language, C Programming, Computer Architecture, Data Structures and Algorithms, Machine Learning ,Analysis of Algorithms, Data Programming Visualization, Computational Models, Computer System Design

SKILLS

Fluent: Java, Python, C, Javascript, Web Frameworks, R, Typescript, Web Development, MIPS Assembly, SQL, MongoDB, Express, Flask, C++, Latex, PostgreSQL, AWS, Terraform, Anypoint Platform, Go, CSS, Kubernetes, Jenkins, SpringBoot, Kafka, Prometheus
Exposure to: Swift, Objective C, PHP, Dataweave, Apache Spark

WORK EXPERIENCE

Experian San Jose, CA   January 2024 - Present
Backend Software Engineer Python
- Implemented a robust Python service wrapper library for Experian's **Docker** microservices, facilitating the exposure of business and operational metrics with **Prometheus** and integration with **Kafka** within **Kubernetes** environments.
- Created and maintained comprehensive **Grafana** dashboards to visualize metrics, improving visibility into system performance and operational and business insights for stakeholders.
- Leveraged AWS cloud services, including ECS, EKS, EC2, MSK, OpenSearch, and SageMaker, to enhance system scalability, reliability, supporting advanced data analytics and machine learning initiatives.
- **Led the deployment of MLOps product Version 1.0.0 to production in EMEA and Australia regions**, enabling the product's first-time availability in the regions and ensuring smooth launches through meticulous release preparation.

Texts.com San Francisco, CA   May 2023 - November 2023
Full Stack Software Engineer
- Developed a private Instagram API and successfully integrated Instagram messaging into Texts' multi-platform clients, resulting in an increase in user engagement across desktop, iOS, and Android.
- Reverse engineered Instagram WebSocket connection for direct messages, Instagram relational database schema, and Twitter mobile app.
- Shipped Instagram direct messages and Twitter reactions into Texts client product on iOS and desktop.

Salesforce San Francisco, CA   June 2022 - September 2022
Channel Solutions Engineer Summer 2022 Intern
- Created an enablement menu for the Channel Solution Engineer Team and collected, tracked, and resolved stakeholder feedback
- Founded new solutions and APIs in the **Anypoint platform** using the Anypoint Studio IDE, wrote thorough documentation, and did QA testing for the APIs

SkyGeni San Jose, CA   June 2020 - September 2021
Full Stack Software Engineering Intern
- Delivered custom machine learning model for text tagging using **Python** Natural Language Toolkit (NLTK) and Stanford's Named Entity Recognition (NER) Developed a conversational LLM that utilized NER tools to concisely respond to targeted sales questions from an end-client
- Engineered and launched a responsive AI interaction web/mobile application using **React**, **Flask**, and **Redux**, serving 3 customers within the first month of launch.
- Wrote rigorous unit tests to stress-test conversational AI and identify potential pit-falls in encoding user questions

PROJECTS/LEADERSHIP

BeFake (https://github.com/rvaidun/befake) *Vue, Firebase, Google Analytics*
- Founder of BeFake, a free and open-sourced website that reverse engineers BeReal API to provide over 500k users with a third party web client. Handling peak loads of 5000 users/minute and 280+ stars on Github
- Implemented logging and metrics for tracking user interaction using Google Analytics