

SIDDHARTH PARATKAR

📍 San Francisco Bay Area, CA · ✉ siddharthparatkar@yahoo.com · ☎ (609) 651-6034 · 🌐 SiddharthParatkar · 🌐 siddharthparatkar

EDUCATION

Carnegie Mellon University

B.S., Information Systems

Addn. Major, Computer Science
(May 2023)

GPA: 3.53 (University Honors)

Relevant Coursework:

- Distributed Systems
- Application Design and Development
- Algorithm Design and Analysis
- Mobile App Development
- Machine Learning

SKILLS

Programming Languages:

TypeScript · Go · Java · Python ·
C · SQL · Standard ML · Swift

Technologies/Frameworks:

React/Redux · Jest · JIRA · Linux
· Git · Ruby on Rails · PostgreSQL
· NumPy · pandas · XCode

Technical Skills:

CI/CD · Agile · Data Structures ·
Algorithm Design and Analysis ·
Functional Programming ·
Computer Systems

Languages:

English · Marathi · Hindi ·
Spanish

EXPERIENCE

Software Engineer 2 · Blend

Apr 2024 - Present

- Spearheaded design and development of asynchronous microservice features with **webhooks** in **Typescript**, integrating with multiple internal and external platforms to develop a new product that drove multi-million dollar client deals and improved workflow functionality for over 60 tenants
- Served as primary POC for **Identity Verification** microservice, triaging issues and managing priorities for a foundational component utilized across all \$1.2 trillion loans serviced
- Reduced CI/CD load times by up to 20% for Identity Verification microservice by researching, validating and implementing the **Ava** testing framework and reducing tech debt in current processes
- Enhanced existing bespoke application workflows for 10+ clients and 5+ services by augmenting existing functionality and resolving bugs in **Typescript** and **Go**

Forward Deployed Software Engineer · Palantir Technologies

Sept 2023 - Mar 2024

- Rebuilt flagship client-facing dashboard using asynchronous **TypeScript** functionality to reduce latency by 80% and visually represent user data
- Utilized **Palantir Foundry** APIs innovatively to adapt to client requirements and reduce load times for product-critical deliverables by up to 70%
- Architected an updated backend schema for over 1TB of client data and used **PySpark** to rebuild data pipelines for new backend-specific workflows
- Participated in a 24/7 on-call schedule to resolve multiple critical user-facing errors in displayed data, dysfunctional workflows and incorrect backend calculations

Software Development Intern · Amazon

May 2022 - Aug 2022

- Implemented a payload using **React** and **TypeScript** that maintains state for each topic to allow users to save messages across topics
- Updated existing **Redux** interfaces to store data and dispatched payload data to store constant updates with low performance impact
- Deployed **Jest**-tested feature to the beta-testing channel with help from the UX team

Head Teaching Assistant: Introduction to Computer Systems · CMU

Dec 2021 - May 2023

- Employed within the **School of Computer Science**; expanded existing course resources, led weekly labs and office hours on architecture, concurrency and memory management
- As Head TA, worked with the professors to maintain the infrastructure of the course
- Was also TA for **Concepts of Mathematics** from Aug 2021 to Dec 2021, and for **Principles of Functional Programming** from Dec 2020 - Aug 2021

PROJECTS

H20.ai · 17313 Class Project

Dec 2022

- Led a team of fellow students to make open-source front-end contributions
- Changed table representation in **TypeScript** to better visually represent filtered enumeration

StudySmart · TartanHacks 2020

Feb 2020

- Displayed historical campus data by packet-sniffing devices with **Kismet**
- Top 6 project out of 51 at TartanHacks 2020, Best Beginner Hack award (BNY Mellon)

ConcertClips · 67-443 Class Project

Aug 2022 - Dec 2022

- Used **Swift** to develop an iOS app that mimics social media video-sharing for concert media
- Implemented Google Auth, filtering on metadata and swipable/clickable home screen
- Stored videos in **Firebase** for easy recall on user input, built entire project in **Xcode**