Varun Parthasarathy

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Work Experience

Snickerdoodle Labs
Palo Alto, CA - Remote

SOFTWARE ENGINEERING LEAD
February 2022 - June 2023

- Led design and development of edge client data persistence and indexing architecture for a federated learning network.
- Managed a team of 4 engineers to deliver a foundational service used by internal stakeholders throughout the company.
- Collaborated with business development team to establish external partnerships and provide technical due diligence.
- Filed a patent after co-authoring a technical white paper to provide internal product direction and raise external awareness.

Coinbase
San Francisco, CA - Remote

SOFTWARE ENGINEER
July 2020 - November 2021

- Delivered numerous core reliability features to node infrastructure, chain data indexing pipelines, and wallet orchestration systems.
- Enabled support for ERC-20 token swaps, re-enabling trading of multiple assets on the platform resulting in millions in revenue.
- Oversaw numerous high-severity production incidents, delivering critical fixes under pressure and communicating status to stakeholders. Received awards internally for incident handling during key periods.
- Made open-source contributions on behalf of the company, aiding internal initiatives, community engagement, and the software community at large.
- Interfaced directly with external stakeholders to deliver integrations critical to business partnerships and rescue locked funds. Recovered millions in inaccessible customer funds.
- Owned foundational infrastructure services, identifying and developing necessary tooling and training materials. Aided training of support engineers.

Netskope
Santa Clara, CA

SOFTWARE ENGINEER
June 2019 - May 2020

- Developed Kubernetes-based service mesh management tools used to orchestrate and deploy network security solutions to hundreds of data centers worldwide.
- Designed and implemented core distributed systems features including service discovery, scheduling, and auto-scaling to allow for automated deployments of a large-scale service mesh.
- Compiled exploratory research into distributed systems technologies, and presented proof-of-concept demonstrations to leadership.
- Developed internal tooling for inspection and observation of cluster deployments and configurations.
- Coordinated with internal service customers to identify needed features and functionality.

Amazon
Seattle, WA

SOFTWARE DEVELOPMENT ENGINEER INTERN
May 2018 - August 2018

- Developed real-time promotional discount discovery and calculation logic used on nearly every amazon.com retail page today.
- Deployed code to global services receiving millions of transactions per second, gaining valuable experience in developing and testing hyper-scale software systems.
- Collaborated with internal stakeholders from Japan to deliver core retail features for the largest online retail platform in the world.

Education

University of Illinois at Urbana-Champaign
Champaign, IL

BACHELOR OF SCIENCE IN STATISTICS & COMPUTER SCIENCE
May 2019

- Contributed to the founding of the Illinois Cryptocurrency Organization, which was the first student organization for blockchain education at the university.
- Served as a course assistant for introductory computer science lab courses, developing presentation and teaching skills.

Skills & Interests

Skills	Software Architecture, Back-end systems design, Market Research, Product Development, Distributed Systems
Languages & Technologies	Go, Python, Java, Ruby, C, C++, C#, AWS, Terraform, Kubernetes, Docker, Git, JavaScript/Typescript HTML/CSS, SQL/NoSQL, R, Solidity, Rust, React