

# Varun Parthasarathy

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## Skills

### Languages

Go, Python, Java, Ruby, C, C++, C#, JavaScript/Typescript, SQL (MySQL, Postgres, etc.), NoSQL (Mongo, Dynamo, etc.), HTML/CSS, SQL/NoSQL, R, Solidity, Rust

### Technologies

AWS, GCP, Terraform, Kubernetes, Docker, Git, React, Kafka, ZMQ, Redis, Protobuf/GRPC, REST

## Work Experience

### Imprint

*New York, NY - Remote*

SENIOR SOFTWARE ENGINEER

*June 2024 - Present*

- Added over 8 months of service life to critical services by implementing scaling features.
- Achieved "five nines" of up time with over 3 million daily requests through the execution of major consumer authentication and authorization service overhaul. Implemented key features such as passkey authorization, session management, revamped account recovery, and customer service tooling.
- Designed and launched third-party merchant authorization scheme, allowing retail partners to integrate with our rewards platform, while maintaining compliance requirements. Supported multiple auth patterns for different retailers.
- Independently initiated and led initiative to implement PII vaulting and tokenization within entire service mesh. Responsible for design, vendor communications, technical due diligence, and integration of a key security initiative.

### 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.

## Education

University of Illinois at Urbana-Champaign

*Champaign, IL*

BACHELOR OF SCIENCE IN STATISTICS & COMPUTER SCIENCE

*May 2019*