

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, Temporal

Work Experience

Imprint

New York, NY - Remote

SENIOR SOFTWARE ENGINEER

June 2024 - Present

- *Credit Approvability Team*: Go, MySQL, AWS, Temporal, TypeScript, Puppeteer, Kubernetes
- **Owned multiple critical path services** for credit card and loan approval pipeline servicing **over 500,000 cardholders**.
- Identified and resolved a critical scalability issue in the PDF generation service, eliminating the need for external vendor solutions.
- Achieved **"four nines"** of up time with over **3 million daily requests** through major consumer auth service overhaul. Implemented or improved key features such as passkey authorization, session management, revamped account recovery, and customer service tooling.
- Independently initiated and led initiative to implement **PII vaulting and tokenization** within entire service mesh. Addressed core security flaws in customer PII and financial data storage.

Snickerdoodle Labs

Palo Alto, CA - Remote

SOFTWARE ENGINEERING LEAD

February 2022 - June 2023

- *Data Wallet Core Team*: TypeScript, Node.js, GCP, EVM (Avalanche), Solidity, Solana, Ceramic, IPFS
- Joined as **founding engineer at seed stage startup**. Collaborated closely with founders, product, design, and business development teams, and external partners to drive **zero-to-one growth**.
- **Managed a team of 4 engineers** to deliver a foundational component of a federated data sharing protocol stack.
- Researched and co-authored a **technical white paper** representing the technical foundation and core manifesto of the company.

Coinbase

San Francisco, CA - Remote

SOFTWARE ENGINEER

July 2020 - November 2021

- *Crypto Scalability Team*: Go, Docker, PostgreSQL, Ruby, Solana, EVM (Solidity), Rust, AWS (ELB, S3, EBS)
- Worked in **foundational crypto organization**, which was responsible for facilitating all on-chain activity for the entire company.
- Implemented critical reliability enhancements to core blockchain infrastructure, ensuring robust transaction processing across Coinbase's entire trading ecosystem, facilitating over **\$1 billion in daily trading volume**.
- Enabled the **recovery of over \$20 million** in previously unrecoverable institutional customer funds on the Solana network.
- Enabled support for ERC-20 token swaps on platform, allowing for trading of previously locked funds for millions of customers.
- **Commanded numerous high-severity production incidents** (including the most critical periods such as the **day of the public offering** and holidays). **Received awards internally for incident handling** during key periods.
- Made **open-source contributions** on behalf of the company to the Rosetta API project.

Netskope

Santa Clara, CA

SOFTWARE ENGINEER

June 2019 - May 2020

- *Kubernetes "Stork" Team*: Python, Go, Kubernetes, Docker, Helm, Prometheus
- Developed tooling using **Kubernetes and Helm** to orchestrate and deploy service mesh to **over 100 distributed points of presence**.
- Implemented core distributed systems features to allow for automated deployments and scaling.
- Developed internal tooling for inspection and observation of cluster deployments and configurations.

Amazon

Seattle, WA

SOFTWARE DEVELOPMENT ENGINEER INTERN

May 2018 - August 2018

- *Promotions Services Team*: Java, AWS (EC2, ELB, S3, RDS)
- Developed **5 million TPS** real-time promotional discount discovery and calculation logic **used on nearly every amazon.com retail page**.

Education

University of Illinois at Urbana-Champaign

Champaign, IL

BACHELOR OF SCIENCE IN STATISTICS & COMPUTER SCIENCE

May 2019