Varun Parthasarathy

SOFTWARE ENGINEER

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Experience

Coinbase   *San Francisco, CA*
SOFTWARE ENGINEER   *July 2020 - Present*

- Member of the crypto scalability team owning blockchain node infrastructure and node data.
- Worked on internal blockchain node management system including contributing snapshotting, health checking, and dynamic configuration features.
- Maintained blockchain node deployments leveraged by the entire company and onboarded new assets to node infrastructure.
- Commanded on-call shifts during multiple high severity incidents and events including the holidays and DPO.
- Gained experience working with numerous protocols through integration with trading systems.
- Contributed related transaction support to the Rosetta API open source project.
- Lead engineering effort to support ERC20 token swaps within Ethereum infrastructure, and created testing infrastructure using Solidity and ethers.js.

Netskope   *Santa Clara, CA*
SOFTWARE ENGINEER   *June 2019 - May 2020*

- Worked on Kubernetes cluster deployment and management software solution used to deploy microservices to multiple data centers.
- Researched, designed, and implemented high level tooling in order to achieve seamless transition of existing services to new container orchestration infrastructure.
- Designed and implemented features including service discovery, scheduling, and auto-scaling for data center deployments.
- Worked with various technologies including Kubernetes and Docker to develop a container configuration and inspection tool for production deployments.

Amazon   *Seattle, WA*
SOFTWARE DEVELOPMENT ENGINEER INTERN   *May 2018 - August 2018*

- Worked on Promotions Services team implementing promotional discounts and coupons on retail platform.
- Developed promotion discovery API to allow promotional discounts to be messaged to users prior to checkout.
- Implemented discount discovery and calculation logic to find applicable discounts and calculate discount charges for items allowing for dynamic advertising of discounts on retail pages.

Aruba, a Hewlett Packard Enterprise company   *Santa Clara, CA*
SOFTWARE ENGINEERING INTERN   *May 2017 - August 2017*

- Worked on team developing 'Introspect' User and Entity Behavior Analytics solution.
- Developed continuous integration testing framework to ensure functionality of ETL data processing components, improving testing times from over an hour to less than 5 minutes.
- Worked with Hadoop HDFS, Apache Spark, and other big data frameworks and technologies.
- Contributed various improvements to log parsing engine and back end APIs.

Chatgrid   *Menlo Park, CA*
DEVELOPER INTERN   *June 2016 - August. 2016*

- Designed and implemented instant messaging customer survey service.
- Worked with team members to design service and database structure from specifications.
- Utilized Node.js to create event-driven fluid conversation module.

Education

University of Illinois at Urbana-Champaign   *Champaign, IL*
BACHELOR OF SCIENCE IN STATISTICS & COMPUTER SCIENCE   *May 2019*

Skills

Languages   Go, Python, Java, Ruby, C, C++, C#, Terraform, JavaScript/Typescript, HTML/CSS, SQL, R

Technologies   Kubernetes, Docker, Blockchain, Cryptocurrency, Distributed Systems, Ethereum Solidity, Smart Contracts, AWS (EC2, EBS, S3), Flask, Git, Linux, Android, Node.js, RStudio