Siri Anil

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Work Experience:

Senior Software Developer | Block Inc   Jan 2023 - Feb 2026

Square Web Payments SDK:
- ❖ Designed and developed Square's Web Payments SDK processing $10B+ GPV — with a special focus on scale, performance and reliability while balancing code quality.
- ❖ Led several engineering teams to integrate payment methods to WebSDK - including designing Zelle integration, Click-to-pay and Bitcoin - through the full development lifecycle — driving rapid iteration cycles, upholding code quality standards, and ensuring reliable, on-time delivery from early design through production.
- ❖ Pioneered AI-native engineering practices by orchestrating parallel coding agents across git worktrees to tackle multiple workstreams simultaneously — using Claude code and Amp for automated refactoring and test coverage analysis.
- ❖ Modernized development stack and systematic reduction in tech debt by upgrading the TypeScript and Webpack ecosystem, overhauling CI/CD pipelines (Docker, Oracle Linux 8, Buildkite), and migrating documentation tooling to a maintainable CLI-based system.

Software Developer | Bloomberg LP   June 2017 - Dec 2022

Alert Subscription System for Research Search:
- ❖ Led a team of 3 developers to design and implement a highly scalable and available subscription system for alerts on published research articles.
- ❖ Increased engagement by 30K clicks driven by 10K unique users on average.

Bloomberg Dataset Browser:
- ❖ Built and deployed a dataset browser to surface and search through a dataset list curated by Bloomberg Intelligence editors. Received a consistent user interaction of more than 100 unique users per day.

Graduate Research Assistant, Distributed System Labs   May 2016 - May 2017
University of Pennsylvania
- ❖ Worked on Software Defined Networks to write a scenario-based programming toolkit (using Java), allowing network operators who may not be trained in coding to program SDNs by examples.
- ❖ Integrated MySQL Database Server with front end to monitor user interaction with the tool.

Graduate Teaching Assistant   Aug 2016 - May 2017
University of Pennsylvania
CIS 505 - Software Systems during the terms Fall 2016 and Spring 2017

Skills:

Languages: Golang, Python, Java, TypeScript

Tools: Multi agent orchestration, MCPs, Datadog, Docker/Kubernetes
Web Technology: JavaScript, React, RESTful APIs, Buildkite, Webpack, Vite
Databases and tools: MySQL, Git, MyPy, VSCode, S3, Aurora, DynamoDB, Snowflake, Sentry

Education:

University of Pennsylvania | Philadelphia, PA   Aug 2015 - May 2017

MS in Embedded Systems, Computer and Information Science | GPA: 3.5
Internet and Web Systems, Distributed Systems, Computer Architecture, Machine Learning.

BMS College of Engineering | Bangalore, India   Aug 2011 - May 2015
BE in Telecommunication Engineering | GPA: 9.1