Ponanna P M

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Skills

Languages: Golang, Python, Haskell, C#, Javascript, SQL, Bash

Technologies: Docker, MongoDB, gRPC, REST, GCP, AWS, Bigquery, Spanner, PostgreSQL, Temporal, Redis, Kubernetes

Experience

ANZx - Software Engineer (Backend - Golang)   Feb 2024 – Present

- Designed and implemented an event broker system using temporal workflows, that runs on a schedule to fetch data from AWS Kinesis, process it and store it in bigquery to be used for analytics and other dependent systems
- Built a validation system that runs on Cloudrun to execute jupyter notebooks to validate the loan outcomes after credit decisioning is complete
- Built a loan simulation tool to submit different types of loans to the credit decision system in order to run validations on the credit decision rulesets and also generate data for analytics
- Setup GHA workflows to automate different tasks like dependency management using renovate, automated releases to GCP, running automated pre-deployment tests etc
- Worked on building new APIs using gRPC and enhancing the existing features of the credit decision system

Sequoia - Software Development Engineer (Backend - Golang)   Dec 2021 – Feb 2024

- Built the client side encryption framework for storing files on Amazon S3 and a mechanism to access them using one time links, and also built a tool to handle migration of existing files
- Developed a common logging library which improved traceability of requests across different services using opensearch
- Built a caching library using redis that works with mongodb to make data reads faster
- Built a custom worker pool mechanism using goroutines to process parallel jobs which improved the speed of document generation
- Built a reverse proxy service equipped with a rate limiter that can be configured based on custom rules to manage the security of publicly accessible APIs

Juspay - Software Development Engineer (Backend - Haskell)   Jun 2021 - Dec 2021

- Worked on building a loan service provider product based on the OCEN(Open Credit Enablement Network) standards
- Designed and built the lending service that integrates with loan service provider, account aggregators and credit bureaus to fetch the details of the borrower
- Built the business rule engine that makes credit decisions on the borrower data based on rules set by the lenders
- Worked on revamping the user onboarding experience for the loan application which increased the onboarding rate of customers

Aurigo Software Technologies - Senior Software Engineer (Backend - C#)   Jun 2017 - May 2021

- Built the Bid Management module for Aurigo Masterworks to automate the online bidding process
- Integrated Masterworks with the Oracle finance management system to enable seamless flow of financial transaction data between the two systems
- Built a windows service based scheduling system to automate the sending and retrieval of data for integration
- Improved the performance of existing SSRS reports and dashboards in Masterworks by optimizing SQL queries

Education

Sri Jayachamarajendra College of Engineering   Aug 2013 – May 2017

B.E. in Electronics and Communication   CGPA: 8.59/10