

Naman Balaji

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EDUCATION

Manipal University

Bachelor of Technology in Computer Science and Engineering

Jaipur, IN

Jul. 2018 – Jul 2022

EXPERIENCE

Junior Software Engineer

Oct. 2022 – present

JustTrack

Hamburg, DE

- Developed an asynchronous microservice for resource creation and lookup that writes into a SQS every new entity it creates. Used redis and DynamoDB to process huge number to requests fast. Also developed a primary key decider along with a subscriber and a consumer that writes to a MySQL database to maintain consistency across the database and cache.
- Developed a cron server that performs scheduled ingestion of partner data and write it to a SNS topic where the data is consumed by lambda functions and written into a kinesis stream. Deployed this server to AWS Fargate.
- Responsible for maintaing and evolving some of the event driven systems with new requirements and parteners getting integrated into the system.
- Used golang for developing service and writing test. Made use of terraform to create infrastructure in the cloud. Used multiple AWS services like DynamoDB, SQS/SNS, S3 etc for creating data pipelines.

Software Development Engineer Intern

Jan. 2022 – Jul. 2022

Zscaler

Hyderabad, IN(Remote)

- Worked on developing and refactoring a RESTful service that acted as an interface between the main database and customer facing administration UI
- Reduced time spent on operational tasks by developing APIs to batch process entities and optimizing existing database calls.
- Used technologies like Java, Spring Boot, Hibernate and postgresQL. Deployed services in various environments using AWS ECS and S3.

Software Engineer Intern

Mar. 2021 – Jun. 2021

Argonaut

Sunnyvale, CA(remote)

- Developed a microservice using Golang, Kubernetes and PostgreSQL for a fully managed PaaS that lets users automate DevOps and manage resources within AWS
- Designed and developed a solution that allows creation and deletion of cloud resources like cluster, nodegroups, S3 buckets, etc with a single click by making use of Terraform and Kubernetes Jobs
- Developed features like automated deployments and app installs by leveraging Kube client SDK and Helm SDK

Software Developer Intern

Oct. 2020 – Dec. 2020

Quickwork

Mumbai, IN(remote)

- Developed connectors and integrated thrid party APIs using Node.js and JavaScript to provide users with business workflow automation
- Developed callable webhooks that check for events to trigger worklows

PROJECTS

Keynetic | *Golang, Docker*

- Developed a causally consistent, always available, and partition tolerant system. Consistent hashing distributes the requests to multiple shards. Within shards, gossip is used to spread requests

Blockchain based Certificate Validation | *Node.js, Solidity, MongoDB, React*

- Developed a web app that make use of the blockchain technology to solve the problem of certificate forgery. Verification is done by maching the hash of the certificate stored on the blockchain

TECHNICAL SKILLS

Languages: Golang, Java, JavaScript, Python, C

Databases: MySQL, PostgreSQL, DynamoDB, MongoDB

Developer Tools: Git, AWS, Terraform, Docker, Kubernetes