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Summary

As a Senior Software Engineer II at Genea, I lead and guide the backend team to build robust and scalable distributed systems for enterprises. Genea is a leading provider of cloud-based access control and visitor management solutions that simplify and enhance building security and operations.

In my current role, I have been instrumental in delivering several innovative and impactful features, such as integrating Apple Wallet with Genea's Mobile Access Integration, building Genea's Webhook ecosystem, and enabling Genea and Webex by Cisco integration. I have also contributed to the cloud migration from Heroku to AWS, using Terraform and GitHub Actions, and improved the performance and reliability of the backend micro services.

I have over 7 years of experience in backend software engineering, with a strong background in DevOps, Data engineering, and technical architectural design. I have worked with a range of programming languages and technologies, including Python, Ruby, NodeJS, PostgreSQL, MongoDB, Redis, Elasticsearch, Docker, Kubernetes, and various cloud services such as GCP and AWS. I have also designed and built APIs, data models, and SQL queries for various products and projects.

I hold a Bachelor's Degree in Computer Engineering from Dharmsinh Desai Institute of Technology, and I am an avid learner and a tech enthusiast, always looking for new challenges and opportunities to grow my skills and knowledge. I am a team player and a highly collaborative and effective communicator, working with cross-functional teams and stakeholders to ensure alignment and user satisfaction. I am also a startup-minded software engineer, dedicated to building products that change the world.

Experience

Senior Software Engineer II

Genea

Jan 2022 - Present (2 years 4 months)

- Actively guiding and helping team members for different tech features.
- Helped the team to integrate AVA Cloud Video Management System.
- Built the architecture for integrating Apple Wallet with Genea's Mobile Access Integration and closely worked with different internal team members and external teams (HID Global and Apple) for this innovative feature.
- Built the solution for different use cases for Genea's Webhook ecosystem.
- Contributed to Cloud Migration from Heroku to AWS. Migrated more than 12+ backend servers on AWS Fargate ECS using Terraform and GitHub Actions.
- Built the solution and lead the team to deliver the Genea and Webex by Cisco integration as part of communication integration
- R&D for building Genea's own IoT Gateway solution using AWS IoT, MQTT Broker and Mender.io for OTA to Edge device and Device Management



Senior Software Engineer

Genea

May 2021 - Dec 2021 (8 months)

Tech stack: NodeJS, ExpressJS, RabbitMQ, AWS SQS, AWS SNS, AWS Lambda, PostgreSQL, MongoDB, Redis, SQLite3, REST APIs, AWS Cloudwatch, Heroku, Microservice architecture,

- Helped the team to build the Global Dashboard feature which is useful for the GSoC Team of every big MNCs.
- Built the advanced feature of access control systems like Strike follower and Support of Paired reader.
- Actively participated in one of the major feature I/O Rule (Feature like IFTTT for Access Control System)
- Designed and built the feature called Time based Access Group where Admin can choose a time period for giving access to the users.
- Designed and implemented Key control feature where admin can configure the max physical key and mobile key settings for users
- Designed the solution of 3rd party mobile access reader Wavelynx.
- Designed and built the solution for Schindler Elevator Integration in our Elevator Management Module for basic and advance feature like destination dispatch



Backend Software Engineer

Shipmnts

May 2017 - May 2021 (4 years 1 month)

Tech Stack: Python, Django, Flask, Ruby on Rails, Celery, Sidekiq, PostgreSQL, MongoDB, Redis, Elasticsearch, GCP services, Kubernetes, Docker, AWS S3, AWS SNS, AWS Route53, Microservice Architecture,

- Built architecture of company's AI product which reduces the user's day-to-day work by 70%.
- Part of core founding team and experienced 0 to 1 journey of the company.
- Participated and contributed to the full development life cycle, including planning, analysis, design, implementation, and maintenance.
- Worked as lead backend engineer on multiple products of the company.
- Lead architectural decision, product, quality, and process for a product and scrum team.
- Designed and built a highly scalable and available database and cloud-based backend infrastructure.
- Implemented multiple microservices and built the scalable event-driven architecture from scratch for the company's AI product.
- Owned the parts of the system and continuously work to improve them in an agile environment.
- Improved internal API performances
- Built the multiple Integration with different ERP systems.
- Built and integrated live container tracking services.
- Created and integrated multiple Gsuite Add-ons with the company's existing product.
- Mentored multiple interns



Full Stack Engineer Intern

Shipmnts

Dec 2016 - May 2017 (6 months)

Education



Dharmsinh Desai University

Bachelor's Degree, Computer Engineering

Jeevanbharti High School

High School

Licenses & Certifications

Collibra TACT Certified Developer for Apache Hadoop

HD101416



MongoDB for Java Developers - MongoDB



Machine Learning With Big Data (September 2015 Version) - Coursera Course Certificates

HN5WDU7XNL5S



Big Data Foundations - IBM



Big Data Hadoop Foundations - IBM



Big Data - Programming - IBM



Big Data Storage and Retrieval - IBM



Data Manipulation at Scale: Systems and Algorithms - Coursera Course Certificates

XT6P465J4ATS



Text Retrieval and Search Engines - Coursera Course Certificates

356XN64GZEGN



Hadoop Foundations - Level 2 - IBM



Hadoop Programming - Level 2 - IBM



Hadoop Platform and Application Framework - Coursera Course Certificates

4E5JFFJVBNVG



Graph Analytics for Big Data (2015) - Coursera Course Certificates

SH3D49SH3LJH



Google Cloud Platform Fundamentals: Core Infrastructure - Coursera
CYTCW2L23VTE



Architecting with Google Kubernetes Engine: Foundations - Coursera
MTKC98BTWTHL



Architecting with Google Kubernetes Engine: Workloads - Coursera
8CQ5WMPP93FB



Architecting with Google Kubernetes Engine: Production - Coursera
AVAERUQY2DJ8



Architecting with Google Kubernetes Engine Specialization - Coursera
RRNM6F6PP9AL



Google Cloud Platform Big Data and Machine Learning Fundamentals - Coursera
8AQT8QDPUH3N



Leveraging Unstructured Data with Cloud Dataproc on Google Cloud Platform -
Coursera
QB9CN94VRKGP



Serverless Data Analysis with Google BigQuery and Cloud Dataflow - Coursera
ZJ2YAARYGUQK



Building Resilient Streaming Systems on Google Cloud Platform - Coursera
NNJDD3YTJHHG



Serverless Machine Learning with Tensorflow on Google Cloud Platform -
Coursera
N5MBGL68W6GN



Essential Cloud Infrastructure: Foundation - Coursera
8Z8FKT3K7WVW



Data Engineering, Big Data, and Machine Learning on GCP Specialization -
Coursera
UY2U2KK2VS8K



Elastic Cloud Infrastructure: Scaling and Automation - Coursera

KPEPR6J742JK



Elastic Cloud Infrastructure: Containers and Services - Coursera

ETJ44UMYLPU



Reliable Cloud Infrastructure: Design and Process - Coursera

727WQUAKSUTR



Architecting with Google Cloud Platform Specialization - Coursera

T8536QEAF3YE



Rest API (Intermediate) Certificate - HackerRank

e272ea61cb83



Problem Solving (Intermediate) Certificate - HackerRank

0145ff6e3aab



SQL (Intermediate) Certificate - HackerRank

60cfeeaedb47



JavaScript (Intermediate) Certificate - HackerRank

45d7e3cf225f



React (Basic) Certificate - HackerRank

49ae9e238ed9



RU101: Introduction to Redis Data Structures - Redis

921f3af89bfe47d0bba8263cba71b09d



RU301: Running Redis at Scale - Redis

f613b21f18614b889da016d472710a66



RU202: Redis Streams - Redis

7975233358b14b5386890f5854dbfe9d



Redis Certified Developer - Redis

41317081



AWS Learning: Serverless - Amazon Web Services (AWS)

b700ef47-235f-4b2b-b7e0-96378734e3cf



Triplebyte Certified - Triplebyte

WJ4YCAT



SystemsExpert Certificate - AlgoExpert

SE-108a36ce99

Skills

Mqtt • AWS IoT • Web Applications • Software Design • Google Kubernetes Engine • Scalable
Architecture • Problem Solving • Distributed Caching • Serverless Framework • Distributed Systems