

Varun Kumar Reddy Gunnreddy

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San Jose, CA

SOFTWARE DEVELOPER SUMMARY

- Experienced Software Developer with 6 years in backend and full-stack development, contributing to high-impact projects using Java, Python, Golang, and cloud-native technologies across startups and enterprise environments.
- Developed an API onboarding tool at Visa that reduced product integration time from several months to just weeks, and improved gateway performance by cutting latency by 30% and increasing system availability from 99.99% to 99.999%.
- Enhanced virtual machine management workflows at Nutanix by implementing cross-version API debuggability features and led efforts to integrate multi-source backup vendors support, improving data recovery capabilities at scale.

EMPLOYMENT & EXPERIENCE

Nutanix, Inc

Member of Technical Staff - 3

San Jose, CA

Oct 2023 - Present

- Working in the AHV Management Team to implement a secure, highly scalable control plane to support thousands of Virtual Machines using Acropolis Hypervisor.
- Worked on TaskUXRevamp improvement projects, improving debuggability across all API versions and enhancing the ability to identify and resolve issues within VMM workflows.
- Working on a project to enhance data recovery capabilities by integrating support for multiple data sources from various backup vendors.
- Improving and enhancing OVA support for V4 API Versions with create and deploy Virtual Machines from OVA/OVF.
- **Technologies:** Python, Golang, bash, git, RPC, Rest API.

Ten Across

Software Engineer Intern

Tempe, AZ

Sep 2021 – July 2022

- Developed an application for analysing trends and sentiments related to climate change across I-10 states by auto scraping google news and social media.
- Automated creation of dashboards for analysing trends and policies related to specific climate change in specific I-10 cities.
- **Technologies:** Python, JavaScript, NodeJs, Flask,PostgreSQL

Visa Inc Technology Center

Senior Software Engineer

Bangalore, India

July 2017 - July 2021

- Worked in Visa developer Platform(VDP) Team which serves as orchestration engine in routing B2B traffic to multiple product teams and providing Authentication, Authorization, Rate-limiting and Encryption services.
- Designed and developed Gateway Architecture to Authenticate API in VLAN network zone to improve the security.
- Implemented api onboarding tool which automates and improves on-boarding process wait times of products from order of months to weeks.
- Developed performance framework for stress testing Rest API gateway and decreased latency by 30 percent.
- Developed Fault Injection Framework to improve resilience and availability of system from four nines to five nines.
- **Technologies:** Java, Spring Boot, Nginx, Oracle DB, Prometheus,Python, SQL, React, NodeJs, MongoDB, Splunk.

Samsung R&D

Software Engineer Intern

Bangalore, India

May 2016 – July 2016

- Worked on improving the efficiency of wireless connections over a network, by forcibly closing the connections at an optimal time before their applications server time-outs.
- The optimal time for a connection is estimated from the historic log-files using machine learning algorithms. Detailed study on possible methods for efficient usage of limited bandwidth over a wireless network. **Technologies:** Python, Wireshark

EDUCATION & PROJECTS

Arizona State University (ASU) - Tempe,AZ

Masters in Computer Science - CGPA: 3.93/4

Aug 2021 - May 2023

International Institute of Information Technology - Hyderabad

Bachelor of Technology in Computer Science & Engineering

July 2013 - July 2017

Autoscaling in IAAS

- Developed an elastic cloud application that provides image recognition service to the users by using IaaS resources offered by AWS.
- Implemented the application to handle multiple user requests concurrently and be capable of auto scaling based on the current demand.
- **Technologies:** AWS EC2, Lambda, Containers, S3, SQS, DynamoDB, SNS, Python, Flask, Html, Deep Learning

Twitter Sentiment Analysis

- Implemented a state-of-the-art technique Sentiment Specific word embedding for classification of tweets, built a neural network for generating individual vectors for each word from the corpus of 10M tweets by embedding both semantic and syntactic information..
- Using word vectors as the input features, trained SVM classification model for classification of tweets.