

Diva Dugar

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Location: Bengaluru

Summary

Highly skilled and results-driven Software Engineer with nearly three years of experience in startup environments. Known for expertise in designing, building, and hosting scalable systems. Proficient in Python, Django, Google Cloud Platform (GCP), Git, and PostgreSQL with a keen eye for technical writing.

Experience

NOV 2021 - PRESENT

CrowdAnalytix, Bengaluru - Associate Software Engineer

- Independently conceived, developed, and deployed a highly impactful web application in Django, benefiting 20% of the population in Japan. This involved architecting and building a scalable backend system, creating robust RESTful APIs using Django and PostgreSQL, and implementing real-time data posting with alerts and notifications.
- Demonstrated expertise in implementing a role-based permission system to enhance security and minimize unnecessary access to APIs, safeguarding sensitive data. This ensured seamless integration and secure data protection throughout the application.
- Implemented a data pipeline in Django, enabling the gathering and transformation of SKU data from diverse sources like FTP, databases, and more. Employing Celery, Django, and RabbitMQ, this scalable solution ensured consistency by converting SKU data into a normalized CAX format.
- Established a custom monitoring tool, proficiently tracking monthly budget thresholds and real-time monitoring of VMs. Implemented automated alerts and reminders by sending timely email notifications to project stakeholders, ensuring proactive management of budget thresholds.
- Designed and developed several web apps, and then deployed them on GCP. From designing APIs and databases to deploying, everything in the backend.
- Implemented comprehensive logging, metrics, and performance testing in GCP using OpsAgent, ensuring optimal resource utilization and effective system monitoring. Developed and maintained custom dashboards within GCP monitoring tools, enabling real-time visibility into resource utilization, system performance, and application health.
- Authored technical documents and designed database schemas, ensuring comprehensive documentation and maintainability of the codebase.

- Software Engineer Intern

JUN 2021 - OCT 2021

- Designed Cloud Functions that were developed to handle specific business logic, such as data processing, event triggers, or API integrations, to enhance overall system functionality. Additionally, I utilized Terraform, an Infrastructure as Code (IaC) tool, to automate the provisioning and management of the Cloud Functions, ensuring consistency, repeatability, and version control in the deployment process.
- Created Slack Bots to operate VM in GCP.

- Developed a Python script to automate complex calculations, streamlining and optimizing manual processes. The automation of calculations not only improved productivity but also enhanced data accuracy and integrity, leading to more reliable and informed decision-making.

DEC 2020 - FEB 2021

Bloomstack, Kalyan – Intern

- Utilized Frappe, a powerful open-source ERP framework, in combination with Python to develop a comprehensive and customized Payroll system for cannabis companies. The system was designed to handle complex payroll calculations, tax regulations, and compliance requirements specific to the cannabis industry.

AUG 2020 - NOV 2020

Nat IT Solved Pvt Ltd (Part of Cbnits), Kolkata – Intern

- Received PPO
- Implemented endpoints using Golang and PostgreSQL
- Built automation bots using SAP IRPA and chatbots using SAP

Education

2017 - 2020

The Heritage Academy, Kolkata – BCA

Wrote a paper on how decentralised internet could be a possibility. Stood 2nd out of 30 other teams. It was a competition held at Jadavpur University by IET