SAI GANESH

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Python Developer | Lead Software Engineer | Full Stack Developer |Backend Specialist

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OBJECTIVE

Seeking a growth-oriented career in Information Technology where I can apply my Python expertise, architectural thinking, and problem-solving skills to build scalable applications.

PROFESSIONAL SUMMARY

- **Lead Software Engineer** with over **6 years of experience** in Python, Django, Flask, and REST API development.

- Proven expertise in designing and deploying **scalable web applications** for **security** and **automation**.

- Led architecture, development, and deployment of **Vulnerability Management System (VMS)** for **Mercedes-Benz R&D India**.

- Proficient in full-stack technologies: **Django, Celery, HTMX, ReactJS, JavaScript, jQuery, CSS, Bootstrap**.

- Experienced with **AWS services** including EC2, S3, and RDS for secure and scalable application deployment.

- Mentored junior developers and led teams through **agile sprints** with a strong focus on clean code and CI/CD.

- Solid understanding of databases including **MySQL, PostgreSQL, SQL Server**, and **MongoDB**.

- Familiar with **DevOps tools and practices**: Git, Docker, Nginx, Terraform.

- Familiar with scikit-learn, TensorFlow (basics), NLP with spaCy, Transformers (HuggingFace), and model deployment using FastAPI.

WORK EXPERIENCE

Mercedes-Benz R&D India (Client: Lancesoft solutions pvt ltd)
📍 Bangalore | 🕐 August 2023 – Present
Role: Lead Software Engineer

- Led the design and development of security-oriented web applications.

- Architected, developed, and deployed systems using Django, Celery, and PostgreSQL on AWS.

- Managed team delivery, code quality, and agile planning.

- Collaborated with security architects to build platforms for CVE tracking and onboarding compliance.

Accenture – Senior Software Engineer

📍 Hyderabad | 🕐 May 2022 – March 2023

- Developed scalable APIs using **Django REST Framework** and integrated with **ReactJS**.
- Handled async tasks using **Celery + Redis**, and deployed apps with **Nginx, Gunicorn on AWS EC2**.
- Contributed to **CI/CD**, wrote tests with **PyTest**, and led code reviews.

Sakala's IT Consulting Services Pvt Ltd – Software Engineer

📍 **Hyderabad | 🕐 Dec 2018 – May 2022**

- **Built full-stack web apps using Python, Django, and Flask with SQL and NoSQL databases.**
- **Created REST APIs, dashboards, and admin panels with Django ORM and class-based views.**
- **Worked on MongoDB, frontend integration (HTML/CSS/JS), and report automation tools.**

KEY PROJECTS

PROJECT #1 – VMS: Vulnerability Management System

Role: Lead Developer
Tech: Python, Django, Celery, HTMX, jQuery, JavaScript, CSS, PostgreSQL | Hosting: AWS

- Architected and implemented a CVE tracking system for Electronic Control Units (ECUs).
- Designed models and queries using **Django ORM** with select_related, Q objects, and optimized joins.
- Built **Celery** workers with **Redis** for async CVE scans and task queues.
- Deployed with **Nginx**, **Gunicorn**, **PostgreSQL (RDS)** on **Cloudfoundary PaaS**.
- Wrote **unit tests with PyTest**, integrated **CI/CD pipelines** using GitHub Actions.

PROJECT #2 – HawkEye

Role: Backend Developer
Tech Stack: Python, Django, Django REST Framework, ReactJS, Kibana (ELK), SQL Server
Tools: Gunicorn, Nginx, AWS EC2

- Developed backend using **Django REST Framework**, integrated with a ReactJS frontend for dynamic dashboards.

- Built REST APIs and integrated **SQL Server** using pyodbc.

- Designed and optimized **Django ORM models and queries**, including joins and aggregation for analytics.

- Created monitoring dashboards using **Kibana (ELK stack)** for application metrics.

- Deployed application on **AWS EC2** using **Gunicorn** and **Nginx**.

PROJECT #3 – RPA Automation for PMI

Role: RPA Developer
Tech Stack: Python, Robocorp, RPA Framework, MySQL
Tools: Excel, SAP, Salesforce

- Developed 3 automation robots using **Producer-Consumer architecture** in **Robocorp**.

- Automated repetitive tasks across **SAP**, **Excel**, and **Salesforce**, improving accuracy and saving manual effort.

- Implemented Python scripts for logic control, exception handling, and data extraction.

- Handled backend interactions with **MySQL** database for storage and retrieval of process data.

- Collaborated with business teams to define automation flows and test cases.

TECHNICAL SKILLS

Programming Languages:
• Python (Advanced), JavaScript

Frameworks & Web Technologies:
• Django
• Flask, FastAPI (basics)
• Django REST Framework, Celery, WebSockets, AsyncIO
• HTML5, CSS3, Bootstrap, HTMX, ReactJS, jQuery

Databases:
• PostgreSQL, MySQL, SQL Server, MongoDB

Python Libraries & Tools:
• Pandas, NumPy, Matplotlib, Pydantic, Celery, Requests, SQLAlchemy, PyTest, Robot Framework, Airflow, Scikit,

DevOps & Cloud:
• AWS (EC2, S3, RDS, Lambda), Docker, Nginx, Git, Bitbucket, Terraform

IDEs & Tools:

• PyCharm, Visual Studio, Spyder,

OS:

• Windows, Linux

Other:

• REST API design, CI/CD pipelines, Agile methodologies, Code reviews, Mentoring juniors

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ENGINEERING HIGHLIGHTS

- Built modular Django architecture with reusable apps and service layers.

- Developed and orchestrated async workflows using **Celery + Redis**.

- Leveraged **Django ORM** for complex joins, annotations, and transaction management.

- Integrated **WebSockets** for real-time security alerts.

- Used **HTMX** and **jQuery** for dynamic UX without full reloads.

- Deployed apps with **AWS EC2**, **Nginx**, **Gunicorn**, **PostgreSQL (RDS)**.

- Implemented CI/CD pipelines using **GitHub Actions**, Docker-based workflows.

- Achieved 85%+ test coverage using **PyTest**; enforced code quality with **Flake8**, **Black**.

EDUCATION

B.E. in Electronics and Communication Engineering
Anil Neerukonda Institute of Technology and Sciences, Andhra University