

Aaditya R Krishnan

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SKILLS

Languages: Python, JavaScript (React.js), SQL, HTML/CSS

Frameworks & Libraries: Django, Django REST Framework, React, Redux, Pandas, LangChain

Cloud & Security: AWS, Palo Alto, Fortigate, CrowdStrike, Zscaler, Intune, CSPM

Databases: MongoDB, PostgreSQL, MySQL

Data Engineering: Apache Airflow, Cron Jobs, ETL Pipelines

AI & Automation: RAG, Agentic AI Systems, LLM Integration, Prompt Engineering, AWS Bedrock, FAISS, LangChain

DevOps: Docker, Git, GitHub, Nginx, Gunicorn, Linux

EXPERIENCE

Envestnet

Lead Engineer | Python Automation Engineer

Dec. 2022 – Present

Trivandrum, Kerala

- Leading the **Security-as-Code** initiative by architecting and scaling a **Full-stack Python-based security intelligence platform (Lighthouse)** using Django, React, MongoDB, and PostgreSQL
- Designed unified security data aggregation integrating AWS, Palo Alto, Fortigate, CrowdStrike, Intune, Absolute, and Zscaler for cross-platform correlation
- Engineered **Apache Airflow orchestration pipelines** managing large-scale scheduled ingestion workflows with dependency handling and monitoring
- Centralized fragmented security investigations into a single analytical platform, accelerating threat detection and reducing manual effort
- Architected a **RAG-based Agentic AI system** for firewall rule analysis using **LangChain**, enabling conversational security insights across 10k+ rules

Infosys Limited

Technical Analyst

Mar. 2020 – Dec. 2022

Trivandrum, Kerala

- Improved processing performance by **85%** via Apache Airflow migration and automated Docker health monitoring across 100+ servers
- Developed Python-based data validation and automation systems increasing platform reliability to **98%** while reducing manual effort

Inapp Information Technology

Software Engineer

Jan. 2019 – Feb. 2020

Trivandrum, Kerala

- Optimized enterprise PHP applications achieving **45% faster load times** and reducing manual processes by 30% through API integrations
- Enhanced application security and payment workflows by integrating advanced authentication and PayPal SDK, reducing processing time by **50%**

River Valley (RSGP)

Junior Software Engineer

Jun. 2017 – Jan. 2019

Trivandrum, Kerala

- Developed a CodeIgniter-based Employee Management System reducing leave approval time by **40%**
- Automated task assignment and attendance tracking systems improving operational accuracy to **98%**

EDUCATION

Amal Jyothi College of Engineering

Bachelor of Technology in Information Technology

June 2013 – May 2017

Kottayam, Kerala

- **Coursework:** Data Structures, Algorithms, Databases, Computer Systems
- **Research:** E-commerce using IoT