

# Aaditya R Krishnan

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## SKILLS

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**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

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**Investnet** Dec. 2022 – Present  
*Lead Engineer | Python Automation Engineer* 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** Mar. 2020 – Dec. 2022  
*Technical Analyst* 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** Jan. 2019 – Feb. 2020  
*Software Engineer* 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)** Jun. 2017 – Jan. 2019  
*Junior Software Engineer* 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

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**Amal Jyothi College of Engineering** June 2013 – May 2017  
*Bachelor of Technology in Information Technology* Kottayam, Kerala

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