

Srikanth Kanteti

Senior Software Engineer & Application Architect

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Technical Skills

Programming Languages

- Python
- Go
- C# (.NET)
- JavaScript/TypeScript
- SQL

Frameworks & Technologies

- Microservices Architecture
- Microservices Architecture
- REST APIs
- ASP.NET Core
- WPF
- React.js
- Docker/Kubernetes
- Terraform
- Ansible
- Linux (RHEL, Ubuntu)
- rsyslog
- Git
- GitHub
- GitLab
- Azure
- AWS
- RabbitMQ
- Fortify
- Boldon James Classifier Integration
- OPSWAT MetaDefender Integration

Databases

- SQL Server
- PostgreSQL
- MongoDB

Security & Compliance

- Secure by Design Principles

Professional Summary: Senior Software Engineer with 14+ years delivering secure, high-assurance systems for UK Government. Expert in SECRET-level classified communications platforms and enterprise applications serving millions of users.

Proven track record: Zero critical vulnerabilities across mission-critical systems, processing 20M+ messages daily. Specialist in Secure by Design principles with comprehensive DevOps and microservices expertise.

Led development of air-gapped communication systems supporting international defence programmes and large-scale visa processing platforms.

Professional Experience

Senior Software Engineer

Secure Communications Platform

FCDO Services (Contract) Jan 2021 - Present (4.5+ years)

Led development and delivery of secure email communication, file transfer, and syslogging capabilities for the UK Government's secure communications platform. Built high-assurance system supporting the MoD and GCAP programme using private cloud infrastructure while strictly adhering to Secure by Design principles.

- Developed Designed and built secure communications platform with email messaging and file transfer capabilities (Python/Go/C#), supporting document and digital asset sharing for 500+ authorized users
- Developed distributed microservices architecture (Python, Go, C#, React.js) deployed using Docker containers and Kubernetes orchestration with RabbitMQ messaging, delivering enterprise-grade reliability and sub-15ms response times
- Built high-throughput syslogging system processing 20M+ messages/day from air-gapped systems, integrated with SOC/SIEM/LogRhythm for real-time threat monitoring
- Implemented Infrastructure as Code using Terraform/Ansible with GitLab CI/CD pipelines, reducing deployment time from 2 days to 30 minutes

- SECRET-level Classification
- NCSC Compliance
- SBOM Compliance
- Syslog Integration (SOC/SIEM/LogRhythm)

Certifications

- Salesforce Admin Certification
- Terraform Certification
- Kubernetes Application Developer
- RHCSA Rapid Track Course
- Microsoft Certified Professional Developer (MCPD) - .NET Development
- Microsoft Certified Technology Specialist (MCTS) - SharePoint Development
- Microsoft Certified Solution Developer (MCSD)

Education

- Graduate Degree in Computer Science (B.Sc Computer Science) Terraform Certification
- Post Graduate Diploma in Computer Applications
- Advanced Web Development Methods & Security Training Hands-On

- Integrated Fortify SAST and continuous security scanning, achieving zero critical vulnerabilities while maintaining rapid delivery cycles
- Engineered custom Python monitoring scripts for PRTG, providing 24/7 proactive oversight of distributed microservices with automated alerting and ServiceNow integration

Senior Software Engineer – UKVI

FCDO Services (Contract)

2012 – 2021 (9 years)

Developed comprehensive web portal and case working tools for UK Visas and Immigration, enabling immigration officials to process between 4 - 5.5 million visa applications across global operations annually.

- Architected and developed a scalable appointment booking system handling 11,000+ daily visa appointments across multiple UK visa application centres worldwide
- Implemented secure Immigration Health Surcharge (IHS) integration with payment processing, ensuring compliance with UK government financial regulations
- Developed enterprise-grade authentication and authorization using Azure Entra ID and SAML2, enabling secure single sign-on across multiple government locations
- Developed modern responsive web applications using C#, React.js, TypeScript, JavaScript, Web API, ASP.NET Core, and Entity Framework Core, successfully modernizing and replacing legacy WPF desktop application
- Implemented Azure IoT integration using Python across global locations for real-time appliance monitoring and health management, with automated alarm escalation through ServiceNow for proactive maintenance and incident response
- Delivered case management tools used by immigration case working officers for processing visa applications, significantly improving processing efficiency and decision-making workflows
- Ensured platform scalability and high availability to support UK's global visa operations serving millions of applicants annually