**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 * 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 | ***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 * 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 |
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