

ZAK ZAINI

Senior Product Security Architect

Leicester, United Kingdom • zak@example.com

PROFESSIONAL SUMMARY

Senior Product Security Architect with 13+ years of experience in product security, security architecture, and enterprise integration. Proven expertise in leading security readiness initiatives, conducting architecture reviews, and providing strategic guidance on secure SDLC implementation.

EXPERIENCE

Senior Product Security Architect

Thermo Fisher Scientific • Leicester, United Kingdom

March 2022 - Present

Provide product security and security architecture expertise across a portfolio of software products and solutions, working with product, engineering, quality, operations and business stakeholders to identify, assess and mitigate security risks throughout the product lifecycle.

- Lead product security assessments, security architecture reviews and assessment reporting across multiple products and solutions.
- Provide architecture guidance to product teams, supporting a shift-left approach and helping identify security risks early in the development lifecycle.
- Review findings from static analysis, dynamic analysis, dependency scanning and penetration testing, assessing their impact and supporting remediation.
- Develop and maintain architecture diagrams and security documentation.
- Coordinate penetration testing, including scope definition, test preparation, stakeholder coordination, findings review and remediation follow-up.

Senior Integration Developer / Architect

Thermo Fisher Scientific • Loughborough, United Kingdom

July 2016 - March 2022

Worked as a senior integration developer and architect within a geographically distributed global environment, delivering and supporting B2B and A2A integrations connecting customers, suppliers, carriers and internal business applications.

- Designed and developed enterprise integration interfaces supporting business-critical processes across multiple functions.
- Worked with e-commerce, Finance, Supply Chain, Customer Service, Sales, Operations and Distribution teams to translate business requirements into technical solutions.
- Provided technical architecture and design guidance for integration solutions and reviewed proposed architectures.
- Redesigned the integration infrastructure from a single-node architecture to a clustered architecture, improving resilience and availability.
- Managed integration workload priorities with business stakeholders to align delivery with business priorities and deadlines.

Integrations Technical Lead

Capgemini • Toulouse, France

July 2015 - June 2016

Led the technical delivery of enterprise integration solutions within a customer-facing environment.

- Led the technical team in understanding customer requirements and delivering appropriate technical solutions.
- Gathered and analysed business and technical requirements and translated them into integration solutions.
- Performed solution architecture and design validation.
- Supported project costing and capacity planning.
- Led technical testing, including performance and resilience testing.

Integrations Developer

Atos • Toulouse, France

February 2011 - July 2015

Delivered enterprise integration solutions across multiple projects, working across the full development lifecycle from requirements analysis and solution design through development, testing, administration and production support.

- Developed and maintained enterprise integrations using webMethods EAI/ESB.
- Designed and implemented integrations using webMethods, Java, XML, XSD and SOAP/REST web services.
- Worked with ETL solutions using Informatica.
- Developed supporting Java components and database integrations.
- Administered and supported integration solutions in operational environments.

VOLUNTEERING

Technology Lead

Non-profit Organisation • United Kingdom

July 2023 - Present

Provide technology leadership and operational ownership for a UK-based non-profit organisation, overseeing technology strategy, infrastructure, applications and day-to-day IT operations.

PROJECTS

Cyber Resilience Act (CRA) Readiness

Led product security readiness activities for the EU Cyber Resilience Act (CRA), supporting the organisation in assessing product gaps, prioritising remediation and addressing compliance requirements across the product portfolio.

- Conducted CRA gap assessments across products to identify security, process and compliance gaps.
- Worked with product and engineering teams to assess identified gaps and determine appropriate remediation actions.
- Prioritised remediation activities based on risk, product context and business considerations.
- Supported decisions regarding remediation, mitigation and product lifecycle, including end-of-life decisions where addressing CRA requirements was not considered appropriate or viable.

KEY SKILLS

Security: Product Security, Security Architecture Design, Security Architecture Reviews, Security Assessments, Threat Modeling, Secure SDLC, Vulnerability Assessment, Vulnerability Management

Architecture: Technical Architecture, Software Architecture, Network Architecture, Enterprise Architecture, Enterprise Service Bus (ESB) Architecture, System Architecture, Integration Architecture, API Architecture

Integration & Middleware: B2B / A2A Integration, B2B Integration, A2A Integration, webMethods, Enterprise Service Bus (ESB), SOA, SOAP Web Services, SOAP / REST APIs

Cloud & Infrastructure: Microsoft Azure, Cloud Computing, AWS, Identity and Access Management (IAM), Infrastructure Management, System Administration, IT Operations, Endpoint Management

Databases & Data: SQL, Oracle, Oracle Database, MySQL, Microsoft SQL Server, Java Database Connectivity (JDBC), Extract, Transform, Load (ETL), ETL

Programming Languages: Java, Java Enterprise Edition, JPA, JavaScript, PHP, HTML, CSS, AJAX

Technical Skills: Secure File Transfer Protocol (SFTP), Requirements Analysis, Technical Documentation, Distributed Systems, Technical Leadership

Leadership & Management: Technical Leadership, Project Delivery, Project Management, Capacity Planning, Stakeholder Management, Cross-functional Collaborations, Incident Management