

Babak Bandpey

Senior Freelance Software Engineer / Security & GRC Specialist

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Summary

Senior systems architect who operationalizes security, compliance, and AI into measurable business outcomes. Conceived, architected, and built FITS, a production-grade AI-driven GRC platform used by real organizations. Expert in Python, Django, PostgreSQL, Neo4j, React, and AI/LLM integration. Hands-on experience with ISO 27001, CIS Controls, ISMS implementation, and large-scale compliance automation.

AI/ML	Android app development
Expert AI Evaluation & Scoring Logic	Mid level Kotlin
Expert AI-assisted Assessment Generation	
Advanced Embedding & Retrieval (RAG)	
Expert LLM Integration (OpenAI / Azure AI)	
Advanced Policy-aware AI Workflows	
Expert Prompt & System Design	

Architecture	Backend
Expert Closed-circuit / Local Deployments	Expert Backend Architecture
Expert Data-driven KPI Systems	Expert Business Logic Modeling
Expert End-to-end System Architecture	Expert Django
Expert Scalable Compliance Platforms	Advance Flask
Expert Security-by-design Architecture	Expert Multi-tenant Systems
	Expert REST API Design
	Expert Single-tenant Secure Deployments
	Expert Workflow Automation

Consulting	Databases
Advanced Client Advisory (CISO / Security Teams)	Expert Graph-based Data Modeling
Expert Independent Delivery & Accountability	Expert Neo4j (Graph DB)
Expert Product Vision & Roadmap Ownership	Advanced pgvector / Vector Search
Expert Requirements Translation (Business → System)	Expert PostgreSQL
Expert Technical Leadership	Advanced Redis
	Expert Relational Data Modeling

DevOps	DevOps/Cloud
Advanced CI/CD	Advanced CI/CD Pipelines
	Advanced DigitalOcean
	Advanced Infrastructure as Code
	Advanced Secure System Deployment
	Expert Single-tenant Isolation Strategies

Frontend	Integrations
Advanced React	Advanced Atlassian Confluence (Automation & Publishing)
Advanced Tailwind CSS	Expert Excel-based Reporting Automation
Advanced Vite	Advanced Jira Integration
Advanced Vue.js	Advanced Microsoft / Azure Ecosystem

PHP Framework	Programming Languages
Advanced Laravel	Advanced C#
Advanced Symfony	Advanced JavaScript
Advanced Yii	Advanced Node.js
	Advanced PHP
	Expert Python
	Advanced ReactJS
	Advanced SQL
	Advanced TypeScript

Security/GRC	Software Development
Advanced Audit Support & Reporting	Expert Debugging
Expert CIS Controls / CIS18 Operationalization	
Expert CMDB & Asset Dependency Modeling	
Expert Gap Analysis	
Expert GRC Process Automation	
Expert ISO 27001 / ISMS Implementation	
Expert Risk Modeling & Assessment	
Advanced Vulnerability Triage & Mitigation Coordination	

Testing	Testing and QA
Advanced Integration Test	Expert Code Rabbit
Advanced Unit Test	

Vibe Coding	Vide Coding
Advanced Claude CLI	Expert Cursor
Expert Codex	

Experience

Senior Freelance Software Engineer / Security & GRC Specialist	cocode.dk
Copenhagen, Denmark 2025-01 – Present	
Independent consultancy providing senior software engineering and security expertise. Focus on outcome-driven delivery with heavy personal ownership.	
FITS - AI-Driven GRC Platform	
Production-grade GRC / security program management platform used by real organizations. Functions as GRC automation engine, CMDB-like system, and assessment/reporting factory.	
Python, Django, PostgreSQL, Neo4j, Redis, TypeScript, React, Tailwind, pgvector, OpenAI / Azure AI, Atlassian Confluence, Jira	
<ul style="list-style-type: none">• AI-generated security questionnaires• Policy-aware evaluation of answers• Automated scoring and assessments• KPI-rich reporting for CISOs, auditors, and executives• Reduced assessment turnaround from ~3 weeks to < 48 hours• Reduced manual review effort by ~75%• Multi-tenant architecture, operated as single-tenant per customer• Strong data isolation and compliance alignment	
Security & GRC Consultant	L7 Consulting
Copenhagen, Denmark 2021-12 – 2024-12	
Long-term engagement with high trust and high autonomy. Built FITS during this period. Focus on GRC automation, ISMS implementation, and security program management.	
Archer at Nuuday A/S https://nuuday.dk	
RSA Archer – Nuuday Worked with RSA Archer as the core GRC platform at Nuuday to manage risk, control frameworks, and compliance assessments. Focused on operationalizing ISO 27001-aligned requirements, running structured assessments, tracking remediation, and producing management and audit-ready reporting, ensuring Archer reflected real security and compliance status across business-critical systems.	
Python, Django, PostgreSQL, Neo4j, Redis, REST APIs, JSON, SQL, React, TypeScript, Tailwind CSS, OpenAI/Azure AI integrations, Jira, Confluence, RSA Archer, ISO 27001 frameworks, CIS Controls frameworks, CMDB principles, risk assessment tooling, policy & control libraries, audit reporting tools	
<ul style="list-style-type: none">• Centralized management of enterprise risks, controls, and compliance obligations• Strong support for ISO 27001-aligned risk and control frameworks• Structured assessment workflows with traceable findings and ownership• Built-in remediation and issue tracking for audit follow-up• Audit-ready reporting and dashboards for management and regulators• Clear traceability from policy → risk → control → finding → remediation	
Archer at GlobalConnect https://globalconnect.com	
Archer Project (Enterprise GRC Implementation) Worked with RSA Archer as the central GRC platform to structure and operate enterprise risk, control, and compliance processes. The work focused on mapping ISO 27001-aligned policies and risks into concrete Archer workflows, running assessments, managing findings and remediation, and producing audit-ready reporting. Emphasis was on making Archer reflect real operational risk and security status rather than static compliance documentation.	
Python, Django, PostgreSQL, Neo4j, Redis, REST APIs, JSON, SQL, React, TypeScript, Tailwind CSS, OpenAI/Azure AI integrations, Jira, Confluence, RSA Archer, ISO 27001 frameworks, CIS Controls frameworks, CMDB principles, risk assessment tooling, policy & control libraries, audit reporting tools	
<ul style="list-style-type: none">• Planned and executed large-scale gap assessments across business-critical applications• Conducted structured interviews with system owners, product owners, and technical stakeholders• Interpreted policies, standards, and regulatory requirements into assessable control questions• Evaluated control design and operating effectiveness, not just documentation presence• Identified gaps, weaknesses, and systemic patterns across applications and domains• Documented findings with clear severity, rationale, and remediation guidance• Created management-ready assessment reports for security, risk, and executive audiences• Designed and maintained KPI frameworks covering compliance level, control health, and progress• Built dashboards tracking assessment completion, remediation status, and maturity trends• Enabled longitudinal tracking of improvement instead of one-off assessments• Fed assessment results directly into automated remediation and follow-up workflows• Reduced manual coordination by enforcing ownership, deadlines, and traceability• Acted as the bridge between policy intent, technical reality, and management decisions	
System Developer	Div
Copenhagen Denmark 2000-12 – 2018-12	
20 years of experience with the LAMP stack, specializing in web applications and high-traffic sites. Skilled in PHP frameworks, backend logic, database design, and system integration. Created webshops in high-availability environments, transitioning to modern Python-based and AI-driven platforms.	
Vibe Coder	cocode.dk
Copenhagen 2022	
Top 2% Cursor AI vibe coder. I turn vague ideas into real web apps fast, often one per day. I work methodically: investigate, plan, code, then validate with unit and E2E tests. Cursor boosts speed, discipline keeps the result solid.	

Education

Advanced Diploma / Continuing Education in Cybersecurity, Erhvervsakademi / EK
2021 Cybersecurity and Information Security Management GPA 3.8
Datamatiker, Niels Brock Copenhagen Business College
2000 Computer Science GPA 3.4