

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	
Expert	AI Evaluation & Scoring Logic
Expert	AI-assisted Assessment Generation
Advanced	Embedding & Retrieval (RAG)
Expert	LLM Integration (OpenAI / Azure AI)
Advanced	Policy-aware AI Workflows
Expert	Prompt & System Design

Android app development	
Mid level	Kotlin

Architecture	
Expert	Closed-circuit / Local Deployments
Expert	Data-driven KPI Systems
Expert	End-to-end System Architecture
Expert	Scalable Compliance Platforms
Expert	Security-by-design Architecture

Backend	
Expert	Backend Architecture
Expert	Business Logic Modeling
Expert	Django
Advance	Flask
Expert	Multi-tenant Systems
Expert	REST API Design
Expert	Single-tenant Secure Deployments
Expert	Workflow Automation

Consulting	
Advanced	Client Advisory (CISO / Security Teams)
Expert	Independent Delivery & Accountability
Expert	Product Vision & Roadmap Ownership
Expert	Requirements Translation (Business → System)
Expert	Technical Leadership

Databases	
Expert	Graph-based Data Modeling
Expert	Neo4j (Graph DB)
Advanced	pgvector / Vector Search
Expert	PostgreSQL
Advanced	Redis
Expert	Relational Data Modeling

DevOps	
Advanced	CI/CD

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

Frontend	
Advanced	React
Advanced	Tailwind CSS
Advanced	Vite
Advanced	Vue.js

Integrations	
Advanced	Atlassian Confluence (Automation & Publishing)
Expert	Excel-based Reporting Automation
Advanced	Jira Integration
Advanced	Microsoft / Azure Ecosystem

PHP Framework	
Advanced	Laravel
Advanced	Symfony
Advanced	Yii

Programming Languages	
Advanced	C#
Advanced	JavaScript
Advanced	Node.js
Advanced	PHP
Expert	Python
Advanced	ReactJS
Advanced	SQL
Advanced	TypeScript

Security/GRC	
Advanced	Audit Support & Reporting
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

Software Development	
Expert	Debugging

Testing	
Advanced	Integration Test
Advanced	Unit Test

Testing and QA	
Expert	Code Rabbit

Vibe Coding	
Advanced	Claude CLI
Expert	Codex

Vide Coding	
Expert	Cursor

Experience

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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

- 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

- 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

- 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 workshops 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