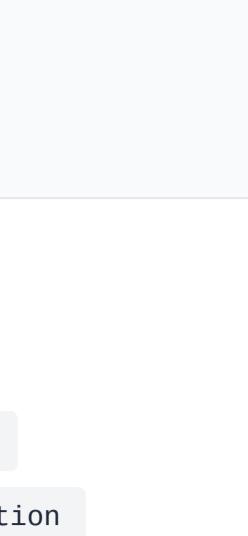


# Babak Bandpey

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.

## Skills

### AI/ML

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

### Android app development

Kotlin

### Architecture

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

### Backend

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

### Consulting

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

### Databases

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

### DevOps

CI/CD

### DevOps/Cloud

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

### Frontend

React  
Tailwind CSS  
Vite  
Vue.js

### Integrations

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

### PHP Framework

Laravel  
Symfony  
Yii

### Programming Languages

C#  
JavaScript  
Node.js  
PHP

Python  
ReactJS  
SQL  
TypeScript

### Security/GRC

Audit Support & Reporting  
CIS Controls / CIS18 Operationalization

CMDB & Asset Dependency Modeling

Gap Analysis  
GRC Process Automation

ISO 27001 / ISMS Implementation

Risk Modeling & Assessment

Vulnerability Triage & Mitigation Coordination

### Software Development

Debugging

### Testing

Integration Test  
Unit Test

### Testing and QA

Code Rabbit

### Vibe Coding

Claude CLI  
Codex

### Vide Coding

Cursor

## 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

- 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 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

### 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 risk and control frameworks, 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

### System Developer

Other employments

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