

# 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
- Advanced 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

### 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

### System Developer

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.

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### Vibe Coder

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.

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### Testing

Advanced Integration Test

Advanced Unit Test

### Testing and QA

Expert Code Rabbit

### Vibe Coding

Advanced Claude CLI

Expert Codex

### Vibe Coding

Expert Cursor

### Experience

Senior Freelance Software Engineer / Security & GRC Specialist

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, Tailwind CSS, OpenAI/Azure AI, Atlassian Confluence, Jira

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L7 Consulting

Div

AI-generated security questionnaires

AI

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

Multi-tenant architecture, operated as single-tenant per customer

Strong data isolation and compliance alignment

Advanced Integration Test

Advanced Unit Test

Advanced Gap Analysis

Expert GRC Process Automation

Expert ISO 27001 / ISMS Implementation

Expert Risk Modeling & Assessment

Advanced Vulnerability Triage & Mitigation Coordination

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, CMDB principles, risk assessment tooling, policy & control libraries, audit reporting tools

GlobalConnect

RSA Archer

ISO 27001

CIS Controls

CMDB

Risk Assessment

Policy & Control Libraries

Audit Reporting

Traceability

Centralization

Management

Regulators

Documentation

Real-world Application

Compliance

Security

Risk

Control

Traceability

Management

Regulators

Documentation

Real-world Application

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