

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

Software Development

- Expert Debugging

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

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

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.

Vibe Coding

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