

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

Advanced Supabase

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

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 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

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

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.

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