Nevzat CIRAK

Lead Software Engineer | Backend / Platform / Security | IAM Interoperability
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EDUCATION

ANADOLU UNIVERSITY
BEng in Electrical and Electronics
June 2017 | Eskisehir
Major GPA: 3.13 / 4.0

LINKS

LinkedIn:// **nevzatcirak**
Github:// **nevzatcirak**
Twitter:// **nevzatcirak**
Medium:// **@nevzatcirak**

COURSEWORK

UNDERGRADUATE
Algorithms and Data Structures with JAVA
Computer Programming with C
Data Network Architecture
Image Processing
Microprocessor Programming with ARM
Cortex M4 assembly and C
Real-Time Operating Systems - TI-RTOS
FPGA Programming with VHDL

SKILLS

LANGUAGES
Java | Golang | Typescript | Javascript |
Rust

FRAMEWORKS
Spring Boot | Spring Security | Spring
Data | Hibernate
React | Gin | GORM

IDENTITY & SECURITY
OAuth 2.0 | OpenID Connect | Ory Hydra
| OPA
AuthZEN | SSF | Policy-based Access

INFRA & DATA
Docker | Kafka | Traefik | CI/CD
PostgreSQL | MongoDB

LANGUAGE
Fluent:
Turkish, English

EXPERIENCE

HAVELSAN - AIR ELECTRONIC INDUSTRY AND TRADE INC. | Lead Software Engineer (Backend / Platform / Security)
October 2017 – Current | Ankara, Turkey
- Leading backend and platform engineering efforts for secure, scalable distributed systems.
- Architecting and implementing identity access management solutions leveraging Spring Boot, OAuth2/OpenID Connect, policy-based authorization, Kafka, OPA, and cloud-native microservices.
- Collaborating with cross-functional teams to elevate platform reliability, observability, and team delivery cadence.
- Contributing full-stack expertise when required, including React + Typescript for UI components.

TURKISH AEROSPACE INDUSTRIES, INC. | Avionics Integration Engineering Intern
June 2016 – July 2016 | Ankara, Turkey

PROFESSIONAL AFFILIATIONS & STANDARDS

MULTILATERAL INTEROPERABILITY PROGRAMME (MIP) | NATO Interoperability Working Group
2018 – Present
- Actively contributing for over eight years to NATO-focused interoperability efforts, supporting architecture design, specification validation, and reference implementations aligned with multinational defense and coalition systems.
- Involved in interoperability-driven system architectures and MIP Block 4 / MIP4 Gateway–related implementations using SOAP and REST-based services.

OPENID FOUNDATION | Working Group Contributor
Ongoing
- Contributor to the AuthZEN Working Group, focusing on modern authorization models and policy-based access control.
- Contributor to the Shared Signals Framework (SSF) Working Group, supporting standards for security event sharing, identity signals, and zero-trust–aligned architectures.

PROJECTS

- "Creating several prototypes that validate the specifications that MIP aims to release as the block 4 baseline and MIP4 Gateway implementation by using SOAP and REST Web Services", Multilateral Interoperability Programme
- "Implementing the Shared Signal Framework (SSF) specification as an open source project", SharedSignals on GitHub — reference implementation for SSF spec supporting modern security signaling patterns.
- "Agentic AI applications and personalized digital twin assistant project", project inspired by Medium article, medium.com/@nevzatcirak
- "Developing Social Health and Nutrition Platform as Web and Mobile Application by using AWS technologies and Microservice architecture", Hobby Project
- "Developing OpenID Connect React Wrapper Library for Javascript", Github Project
- "Developing security solution by using OpenID, OPA, and Traefik handling on the gateway.", Github Private Project For Now
- "Additionally, developing opensource solutions about blockchain and real-life issues", **nevzatcirak** , **nevcodia**