

Anton Sakhanovych

Software Engineer

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PROFESSIONAL EXPERIENCE

Junior Software Engineer

Jun 2025 – Present

Amazon

Detroit, MI

Develop and maintain infrastructure that translates external identity-provider claims into Amazon's internal authorization model, enabling secure feature access for non-Amazon partners. Resolved a critical latency bug in the authorization/caching path, bringing p99 response times under 1 second. Designed and shipped an MCP server exposing the authorization metadata service, now used by multiple teams across Amazon sub-businesses to onboard to the authorization model guarding partner-facing features.

Software Engineer Intern

Oct 2024 – May 2025

Titan Automation

Waterford, MI

Designed and programmed HMI systems using C to enhance efficiency and integrate with industrial control systems. Collaborated with teams to troubleshoot and optimize performance.

EDUCATION

Oakland University

Aug 2024 – Dec 2026

Bachelor of Science (Computer Science)

Rochester Hills, MI

GPA: 4.00/4.00

Polish-Japanese Academy of Information Technology

Oct 2022 – May 2024

Bachelor of Science (Computer Science)

Warsaw, Poland

GPA: 4.92/5.00

SKILLS

AWS • Java • TypeScript • Rust • Git • Java Spring • JavaScript • C • OOP • C++ •
Windows • Linux • Bash • Python • Docker • Kubernetes • Go

PROJECTS

ZeroVerify

Honors Thesis

Leading a team of five in designing a privacy-preserving identity verification system built on zero-knowledge proofs implemented in Circom. ZeroVerify enables users to prove attributes such as age or institutional affiliation without disclosing underlying personal data, integrating with existing identity providers without requiring infrastructure changes. Responsible for technical architecture, system design, and translating the research vision into an implementable roadmap for the team.