

# AHMET GOKSU

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Software Engineer with experience ranges from identifying security vulnerabilities to architecting large-scale CI/CD pipelines at CERN.  
I specialize in building secure, automated systems, with a proven track record in full-stack development.

## EXPERIENCE

**CERN** | DevOps Engineer Geneva CH | 9.2025 - Present

- Architected ATLAS HL-LHC CI/CD pipelines for high-performance C++ DAQ applications.
- Automated build/test/sanitization workflows for the Dataflow system using Docker and CMake.

**BSH Hausgeräte** | Solutions Architect Istanbul TR | 9.2023 - 09.2025

- Orchestrated AWS-based data integration projects utilizing Glue and Redshift for automated ingestion.
- Implemented monitoring for ELT pipelines and data quality.
- Standardized DevOps practices via CI/CD and network architecture documentation.

**NetBSD** | Software Developer Remote NY USA | 6.2023 - 9.2023

- Engineered a donation handling and feedback system to streamline contributions.
- Built backend with Python, Flask, and PostgreSQL using Bootstrap for UI.

**Google Summer of Code @ FreeType** | Contributor Remote CA USA | 6.2023 - 9.2023

- Optimized library performance and integrated a benchmarking framework into the build system.
- Developed C/Python modules and Make integrations for precise metric analysis.
- Enabled long-term performance monitoring for font-rendering efficiency.

## SKILLS

Programming Languages: C, C++, Java, Python, Bash, JS, Solidity  
Technologies/Frameworks: CI/CD, Docker, Kubernetes, Git, Make, Linux  
Web/Backend: Node.js, Flask, REST APIs, SQL

## PROJECTS / OPEN-SOURCE

**ATLAS Phase-II CI/CD Pipelines** *C++, CMake, Docker, Bash*  
Developed automated pipelines for build, linting, and testing of DAQ C++ modules. 2025

**FreeType Performance Benchmarking** *C, Python, Make*  
Integrated benchmarking to FreeType for long-term performance tracking. 2023

**NetBSD Donation System** *Python, Flask, Bootstrap, PostgreSQL*  
Engineered a centralized system to streamline contributions and automate feedback. 2023

**Conserva: Emergency Response App** *Java, Android, Node.js, Firebase*  
An award-winning application for real-time medical data and emergency location tracking. 2019

## CERTIFICATIONS

- The World of Kubernetes and Containers **Turkish Linux Users Association**
- CCNA: Introduction to Networks **Cisco Networking Academy**
- Ethereum & Solidity Practicum **Ethereum Foundation**

## PUBLICATIONS

Overview to Internet Traffic of Mobile Applications (Translation) 9th Issue  
**Arka Kapi Cybersecurity Magazine** 2019

## HONORS & AWARDS

Drone Dynamics: Summer School Scholarship **Riga Technical University** 2025  
Ship for World Youth Leaders **Cabinet Office, Government of Japan** 2024  
Yukselen Yildiz Scholarship **Turkish Technology Team Foundation** 2022  
Admission for Computer Science 2025 Class **University of California Santa Barbara** 2021  
Hall of Fame in Product Security Advisory **ASUSTek Computer Inc.** 2020  
1st Prize in Coding Category **The Scientific and Technological Research Council of Türkiye** 2019  
2nd Prize in Free Category **Erzincan University Rotek Competition** 2019