

AHMET GOKSU

ahmet.goksu@cern.ch | Geneva, Switzerland

LinkedIn ahmetgoksu | **GitHub** goeksu | **HackerRank** goeksu | **QRZ** TA7GOK

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 Technical Student Geneva CH | 9.2025 - Present
- Architected ATLAS Phase-II 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 Working Student 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.

EDUCATION

- Istanbul Technical University** Electrical and Electronics Engineering BS 2024 - Present
Bridging hardware and software to complement systems programming expertise.
- Istanbul Sabahattin Zaim University** Computer Engineering BS Transferred 2021 - 2024
Awarded full merit-based scholarship and served as President of the Blockchain Club.

SKILLS

Programming Languages: C, C++, 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, Node.js, Firebase
An award-winning application for real-time medical data and emergency location tracking. 2019

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