

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 Technical Student	Geneva CH 9.2025 - Present
<ul style="list-style-type: none">• 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
	<ul style="list-style-type: none">• 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
	<ul style="list-style-type: none">• 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
	<ul style="list-style-type: none">• 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	<i>C++, CMake, Docker, Bash</i>
Developed automated pipelines for build, linting, and testing of DAQ C++ modules.	2025
FreeType Performance Benchmarking	<i>C, Python, Make</i>
Integrated benchmarking to FreeType for long-term performance tracking.	2023
NetBSD Donation System	<i>Python, Flask, Bootstrap, PostgreSQL</i>
Engineered a centralized system to streamline contributions and automate feedback.	2023
Conserva: Emergency Response App	<i>Java, Node.js, Firebase</i>
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
Yukselek 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