Çağın **Tanır**

MSc ETH EPF CS - Application Security Engineer @SBB

Zürich, Switzerland

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Experience

SBB CFF FFS *Bern, Switzerland*
Application Security Engineer *Aug. 2024 - Pres.*
- Developing and maintaining cloud deployments (Cloudflare, AWS, Azure etc.).
- Advising internal partners on network and security solutions, with a focus on Web Application Firewalls.

Siemens Smart Infrastructure *Zug, Switzerland*
Working Student: IoT & Cloud *Oct. 2022 - Sep. 2023*
- Managed the security of cloud deployments at the Pre-development Team.
- Developed a Building Automation Tool prototype, involving graph database, backend, REST, and frontend work.
- Experience with AWS, network infrastructure, server and certificate management, containerized deployments.

Education

ETHZ (Eidgenössische Technische Hochschule Zürich) - EPFL *Zürich, Switzerland*
M.Sc. Cyber Security *Sep. 2021 - Apr. 2024*
- Security focused lectures on software, network, and systems. Minor in Data Management Systems.

EPFL (Ecole polytechnique fédérale de Lausanne) *Lausanne, Switzerland*
B.Sc. Computer Science and Engineering *Sep. 2017 - Jul. 2021*
- Notable Courses: Computer security, Computer networks, Software engineering, System oriented programming, Operating systems

Research

Unleashing the Full Amplification Potential of DNSSEC *ETH Zurich*
Master's Thesis *Sep. 2023 - Apr. 2024*
- Analysis of DNSSEC vulnerabilities interacting with application-layer DoS attacks.
- Creating a testbed to evaluate the DoS risk of major open source DNS resolvers.

Using UWB Ranging to Secure Contactless Payments *ETH Zurich*
Master Semester Project *Sep. 2022 - Mar. 2023*
- Proposal to enhance tokenisation payment protocol with UWB secure ranging to prevent relay attacks.

Projects

Blindly App *Lausanne, Switzerland*
Member *Feb. 2021 - Jun. 2021*
- Wrote a fully functional Android app in Kotlin in a team of 6 students for Software Development Project Course at EPFL.

AEDAG Alumni Association Website *Switzerland*
Developer *Feb. 2021 - Pres.*
- Built and still maintaining the website for Galatasaray High School Alumni Association in Switzerland.

Skills

Programming	Python, C/C++, Java, Scala, Kotlin, HTML, CSS, Typescript, SQL, LaTeX, Version Control Systems
Languages	English & French (Advanced) , German (Upper-intermediate), Turkish (Native)