# Ege Bulut

Istanbul, Turkey
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## EXECUTIVE SUMMARY

Systems Architect with deep expertise in designing modular, agentless Network Access Control solutions and zero-trust authentication architectures. I have delivered end-to-end designs for high-availability NAC systems integrating RADIUS, SNMP, NetFlow, automated posture assessment pipelines and many more. My work focuses on translating complex security requirements into scalable frameworks that can be executed by teams without sacrificing clarity or resilience.

I specialize in:

- Modular policy-based authentication design
- Agentless and passive device discovery
- R&D prototyping and proof of concept development
- Strategic documentation and systems road mapping

I am seeking Principal Architect or R&D-focused roles where architectural rigor, research-driven innovation, and systemic thinking are valued as core competencies.

## EDUCATION

**Technological University Dublin**
Dublin, Ireland
*MSC in Computer Science, Advanced Software Development*
2022 – 2024
**University of Sussex**
Brighton, England
*Computer Science, Honours Degree – Second Class, First Division – BSc (Hons)*
2017 – 2020
**International Study Centre**
Brighton, England
*Computation and Mathematics Foundation*
2016 – 2017
**Istituto Europeo di Design**
Milano, Italy
*Product Design*
2015 – 2016
**V.K.V. Koc Private High School**
Istanbul, Turkey
2010 – 2015

## WORK EXPERIENCE

**S3M Security**
Istanbul, Turkey
*Technical Account Manager (Functioning as Software Architect / Development Lead)*
2025 – Current
• Improved core code and database architecture to enhance performance and security of the Network Access Solution.
• Worked with various switch and access point vendors to ensure compatibility and optimal network performance.
• Designed software architecture modules such as High Availability, log signing, time stamping, hotspot & captive portal, and SNMP queries & traps.
• Analyzed and compared different Network Access Control (NAC) solutions to assess security and scalability.
• Conducted proof-of-concept demonstrations for customers, showcasing solution capabilities and integrations.
• Streamlined project management in Jira with semantic versioning, sprint definitions, automation rules, and Confluence integration for collaboration.

**Network Security Solution**
Istanbul, Turkey
*Information Security Analyst*
2024 – 2025
• Implemented DLP, DAST, WAF, and NAC solutions to enhance network security protocols and mitigate threats.
• Collaborated with clients to optimize security performance and deploy custom security policies.
• Conducted vulnerability assessments and lab testing to ensure data protection and web application security.

**Argela Technologies**
Istanbul, Turkey
*Software Engineer*
2020 – 2022
• Developed backend web application using Java to access and manipulate network data stored in MySQL database.
• Participated in reviews and user acceptance testing sessions for new developments and bug fixes.
• Acquired knowledge of telecom network protocols and new libraries for development.

## COMPUTER SKILLS

- **Cyber Security:** DAST, WAF, DLP, NAC, Burp Suite, FortiGate, Metasploit, Nmap, SQLmap, Wireshark, Nuclei, Subfinder, Katana, Gospider
- **Programming Languages:** Lambda Calculus, ★ Java (SE/EE) (9 years), Python, Haskell, Prolog, ★ SQL (9 years), C, C++, HTML5, CSS, ★ JavaScript (5 years), PHP, MIPS, WHILE, WH1LE, Lua
- **Databases:** ★ MySQL (9 years), MongoDB, Cassandra, PostgreSQL, Oracle, TimeScale, YugaByte, Snowflake, MariaDB, Amazon Athena
- **Cloud & Virtualization:** AWS, Docker, Azure, Snowflake, VMware, VirtualBox, QEMU
- **IDEs:** Eclipse, NetBeans, React, BlueJ, Spyder, Jupyter, Notepad++, Atom, MS Visual Studio

## MAIN PROJECTS

**Software Design** 2023
- Led the software design for a network performance monitoring tool, creating detailed use case scenarios, processes, and workflows. Developed a comprehensive design of the software's inner workings to ensure effective monitoring and performance analysis of network systems.

**System Architecture Design** 2023
- Developed a systems architecture concept for a health insurance company's document management system. Focused on ensuring operational continuity by addressing potential business logic malfunctions and integrating redundancy measures, such as load balancing solutions to handle varying traffic demands and maintain system performance.

**Biometric Graphical User Authenticator** | *Final Year Project* 2020
- Program logic that is held by JavaScript enables functionality on html tables for users to input their chosen pattern into the graphical user authenticator while capturing biometric data from their interaction and sending the data to the server, then to be regulated and analyzed for a result of whether biometric data is decisive for authentication.

**Online Payments System** | *Solo Project* 2020
- Implemented a basic online payment system using Java EE in NetBeans.

**Compiler** | *Solo Project* 2019
- Created a Java-based code generator that translates an imperative language with recursive procedures to RISC-V machine code.

# LANGUAGES

- Turkish: Native Speaker
- Spanish: Beginner
- English: Fluent (*Academic IELTS 8/9*)
- Italian: Beginner

# AWARDS & CERTIFICATIONS

- Privia Security – White Hat Hacker Training (2020)
- Rolls Royce project winner (HackSussex 2018)