

EYA ZAOUÏ

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Computer Networks and Telecommunications Engineer with experience in designing, developing, and deploying scalable and reliable systems. With strong collaboration and communication skills, I am eager to contribute to a team focusing on Backend Engineering.

WORK EXPERIENCE

[Site Reliability Engineering Intern](#) — **Google**, London Apr 2023 – Sep 2023

Led the design, implementation, and deployment of a **Big Data processing pipeline** for monitoring **traffic data** in a distributed system using **C++** and Google's internal tools. Gathered requirements from engineers across multiple teams to ensure enhanced **observability** and debugging capabilities of network data.

[Software Engineering Intern](#) — **Google**, Warsaw Jun 2022 – Sep 2022

Migrated Airflow logging from Google Cloud Storage to Google Cloud Logging for Cloud Composer environments using **Java** and **Python**, enhancing service **reliability** and resource **efficiency** while **reducing user costs**. Collaborated with a team of Cloud engineers to test and deploy the solution to **production**.

[Project Lead and Mobile App Developer](#) — **Freelance**, Tunis Mar 2020 – Jun 2020

Gathered and **led** a team of three to execute a business digitization project. **Managed** project timelines, developed a **mobile application**, and co-designed a **REST API** to meet client specifications. Set up **CI/CD** processes for efficient deployment, contributing to the successful digital transformation for the client.

PROJECTS

[The Attention Mechanism for Embryo Morphokinetic Analysis](#) (2022) — Contributed to **research** and data pre-processing using **Python** in a **Computer Vision** project that analyzed time-lapse videos of in-vitro embryos. Assisted in establishing Aziza Othmana Hospital's presence in this emerging research field.

[Intrusion Detection System](#) (2021) — Configured **Snort3** with **Splunk** for traffic **analysis** and security attack **alerting**. Successfully simulated and detected security attacks in a virtual environment.

[HA Cloud Architecture](#) (2020) — Built a 3-tier High Availability Virtual Private Cloud with **AWS Cloud-Formation** (Infrastructure as Code), showcasing **Cloud Networking and Security** solutions. (NAT Gateway, Application Load Balancer, Subnets, ACLs, VPN)

SKILLS

[Programming](#) — C++, Java, Python, TypeScript, Bash scripting, Unit testing, SQL.

[Technologies](#) — Git, Docker, NestJS, Angular, NextJS, Spring, Android, OracleDB, MySQL, Postman, Jenkins, Azure, AWS, GCP, Hadoop.

[Concepts](#) — Mobile and Web development, Microservices, CI/CD, DevOps, Cloud Solutions, Big Data, Networks, System Administration, Machine Learning, Business Intelligence, 5G.

[Leadership](#) — Public speaking, Mentorship, Social Entrepreneurship, Project Management.

[Languages](#) — English (Fluent), French (Fluent), Arabic (Native).

EDUCATION

[Diplôme National d'Ingénieur](#) in **Computer Networks and Telecommunications** – Institut National des Sciences Appliquées et de Technologie Sep 2018 – Oct 2023