

Summary

- Software development lead engineer with +19 years of programming experience including +9 years of professional web development experience, and +4 years *leading diverse teams* to success.
- Designed and implemented many distributed web services/apps that help millions of users every day.
- Enjoying coaching and mentoring my team members to be better versions of themselves every day.
- Volunteering as a teacher/education mentor in two NGOs to help less privileged people to find jobs in the tech field.

Work Experience

Software Engineering Lead

Elsevier

Sep 2020 - Present

Amsterdam, The Netherlands

- Managed 2 teams of 4-6 engineers including hiring, onboarding, coaching & career growth planning.
- Enhanced the legacy system API's response time from ~30 seconds to ~3 seconds.
- Designed a new system for profile data curations to tackle our legacy systems problems.

Software Engineering Lead

Zoover Media B.v.

Jun 2018 - Aug 2020

Amsterdam, The Netherlands

- Managed and coached a team of 4-6 engineers including hiring, onboarding & career growth planning.
- Developed an internal headless CMS, which saved the company manual data entry ~ 50 hrs/patch.
- Enhanced website performance by ~300%, Decreased average page load from 9 to 3 seconds.
- Built a new architecture for our Elasticsearch clusters Which enhanced the performance of our data sync process by 500%.

Full Stack Web Developer

DoReMIR Music Research A.B.

Jul 2015 - Mar 2018

Stockholm, Sweden

- Designed and implemented a distributed server-less backend for a real-time audio analysis system.
- Designed and implemented REST APIs to consume the audio analysis services.

Front-End Web Developer

Madar Soft

Mar 2014 - Mar 2015

Alexandria, Egypt

- Developed front-end for many mobile applications using Angular.Js, Html5, Sass& Javascript.
- Used Cordova / PhoneGap to produce Hybrid Applications for both android and ios.

Technical Skills

- **Programming languages:** Java, Node.js, Typescript, React, JavaScript, HTML, CSS, Python.
- **Frameworks:** Spring Boot, Express.js, Redux.
- **Databases:** OracleDB, PostgreSQL, MySQL, MongoDB, DynamoDB, Elasticsearch, Redis.
- **Cloud engineering:** Amazon Web Services (AWS), Google Cloud Platform (GCP).
- **Logging & Monitoring:** NewRelic, Grafana, Prometheus, Kibana, Loggly, rollbar.
- **Other:** Kubernetes & Docker, Kafka, RabbitMQ, Jenkins, Travis, GitHub Actions.

Education

B.E. in Electrical, Electronics, and Communications Engineering

Alexandria University, Faculty of Engineering

Sep 2004 - Jun 2011