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Anas Aboreeda

Principal Software Engineer

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Summary

- +5 years experience leading diverse software development teams to success.
- +19 years of programming experience including +9 years of international web development experience.
- Delivered many successful software solutions that help millions of users every day.
- Proven success in leading teams to develop and maintain complex enterprise-level software projects.
- Skilled in developing software requirements and architecture, debugging software, managing teams, and providing strategic direction to development initiatives.
- Experienced in working with agile methodologies and modern development tools and technologies.
- Volunteering as a teacher/education mentor in two NGOs to help less privileged people find tech jobs.

Work Experience

Principal Software Engineer

Elsevier - Scopus

April 2024 - Present

Amsterdam, The Netherlands

- Developed and maintained the Language Parsing capabilities for Scopus Search Query Language.
- Successfully migrated the parsing operations to ANTLR to enhance search efficiency and accuracy.
- Designed and built a robust pipeline to support the ongoing enhancements and scalability of the Scopus Search Query Language processing.

Software Engineering Lead

Elsevier - Engineering Village

Sep 2022 - Mar 2024

Amsterdam, The Netherlands

- Accountable for Engineering Village (\$40M+): World's leading engineering information discovery platform.
- Managed 2 teams of 12+ FTE including hiring, onboarding, coaching & career growth planning.
- Migrating the team from Dayton, Ohio to Amsterdam to save the company ~\$500K/year.
- Migrating our big data pipelines from the old in-premises stack to the cloud to have more scalability, traceability, and less error-prone pipelines.

Software Engineering Lead

Elsevier - Scopus

Sep 2020 - Aug 2022

Amsterdam, The Netherlands

- Managed a scrum team of 5+ FTE including hiring, onboarding, coaching & career growth planning.
- Enhanced the legacy system API's response time from ~30 seconds to ~3 seconds.
- Migrated legacy author feedback wizard from JSP to React / Redux stack which enhanced user experience, increased NPS score and decreased release cycle from once/month to daily releases.
- Designed a new Data-Driven system for author's profile data curations to tackle our legacy systems problems and implemented a POC.

Software Engineering Lead

Zoover Media B.v.

Jan 2019 - Aug 2020

Amsterdam, The Netherlands

- Managed a scrum 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 Software Engineer

Zoover Media B.v.

Jun 2018 - Dec 2018

Amsterdam, The Netherlands

- Building new components and features for our website <https://zoover.nl> in React, Redux, and Node.js.
- Built multiple SEO fixes and solutions to increase our page ranks.
- Integrated Google Analytics and Hotjar into our platform to understand customers and monitor them.
- 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 back-end for a monophonic audio analysis system using AWS lambda functions, AWS API-gateway, AWS dynamo-DB, S3, Node.js, Mocha, Chai,...
- Designed and implemented REST API to consume the audio analysis server using Sails.js, and Mongo-DB and deployed it to Heroku.
- Enhanced the performance in the ScoreCloud App back-end (Worked in both the database and code logic layers).
- Added many features to ScoreCloud APP back-end using Node.js, and PostgreSQL (Song quality rating system, song view, play & share counter, user mailing list queues, cron jobs, and many other micro features).
- Wrote unit tests, integration tests & stress tests for old and current code and services.

Frontend Web Developer

GLOMO A.B.

Mar 2015 - Jun 2015

Stockholm, Sweden

- Used AngularJs / HTML5 / Sass to maintain fully responsive websites.
- Connected the front end with payment APIs (eg. TAIN API).

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 handle mobile devices' features and sensors, and to produce Hybrid Applications for Android and IOS.
- Connected front-end with different APIs like Facebook API, Google Maps, and YouTube API.
- Worked in UX / UI analysis, and created wireframes for both mobiles and websites.

Freelance Web developer

Multiple clients

Sep 2004 - Mar 2014

Alexandria, Egypt

- Developed vBulletin forums for many local organizations.
- Built many simulations and signal-processing apps using Matlab.
- Developed multiple embedded systems projects using Assembly, C, and C++.
- Developed many websites for local magazines/news agencies using PHP, MySql & WordPress.

Technical Skills

- **Backend:** Java, Node.js, Spring Boot, Express.js.
- **Frontend:** Typescript, React, Redux, JavaScript, HTML, CSS. Familiar with: AngularJS & Vue.js.
- **Databases:** OracleDB, PostgreSQL, MySQL, MongoDB, DynamoDB, ElasticSearch, Redis.
- **Message queues:** Kafka, RabbitMQ, Amazon SQS
- **Cloud:** Amazon Web Services (AWS), Google Cloud Platform (GCP).
- **Logging & Monitoring:** NewRelic, Grafana, Prometheus, Kibana, Loggly, rollbar.
- **DevOps:** Kubernetes & Docker, Jenkins, Travis, GitHub Actions.

- **Others:** Python, Bash.

Education

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

Alexandria University, Faculty of Engineering