

Mokhtar Mial

FULLSTACK WEB APP DEVELOPER

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Education

Master's Degree in Computer Science and Engineering

Grenoble, France

UNIVERSITÉ GRENOBLE ALPES

2018 — 2019

- Built a distributed object cache in Java with Java RMI.
- Implemented an experimental concept to let a user manage his phone notifications through a Meta 2 VR headset with Unity, C#, Java and Node.js.
- Built a note taking cross-platform native mobile app in TypeScript with Firebase, Ionic and React.

Bachelor's Degree in Software Design and Development

Lyon, France

INSTITUT G4

2017 — 2018

- Built and marketed a travel-planning and cost-sharing cross-platform native mobile app built with JavaScript, React Native, and Firebase.

Bachelor's Degree in Project Management of Applied Computer Systems

Grenoble, France

SUP2I

2016 — 2017

- Experimented with providing a web hosting service based on Docker.

Two-year Technical Degree in Computer Science and Networking

Meylan, France

LYCÉE DU GRÉSIVAUDAN

2013 — 2015

French Secondary School Diploma (Baccalauréat), Science and Technology Major

Grenoble, France

LYCÉE VAUCANSON

2013

Skills

Programming languages

TypeScript, JavaScript, Go

Technologies

React, Node.js, Next.js, AWS Amplify, Docker, PostgreSQL, MongoDB, AWS DynamoDB, Linux

Languages

French, English, Arabic, Japanese

Experience

Fullstack Developer

Grenoble, France

BEEBUZZINESS

Contract | Mar. 2020 — Nov. 2020

- Established an end-to-end testing pipeline with Puppeteer that allows validating web app usage report generation in a lambda architecture within a microservices context. Time spent testing and validating this feature has been divided by 15.
- Migrated a system for sending statistics events tied to user actions in a React web app from the frontend to the Node.js microservices handling said actions. It helped reduce UI components complexity and standardize report generation from these events.

Fullstack Developer

Grenoble, France

BEEBUZZINESS

Contract | Sep. 2019 — Oct. 2019

- Traced CPU bottlenecks and memory usage of a medias broadcasting web application's frontend built in TypeScript with React.
- Reduced memory usage of the medias broadcasting web application to comply with the smart TV's browser requirements that the app would be deployed on by optimizing the code path.

Fullstack Developer

Grenoble, France

BEEBUZZINESS

Co-op | Sep. 2017 — Aug. 2019

- Migrated a reporting web application to a paginated API developed within a microservices context developed in TypeScript with React, Express, and Mongo. Following the migration, the application now consumes 14x less bandwidth and loads up twice as fast.
- Developed a medias and contents programming and broadcasting web application in TypeScript with React, Redux, Express, and Mongo.
- Built an adaptive and bandwidth-aware video player in TypeScript.
- Maintained a web application of print-on-demand orders management developed in JavaScript with React, Express, and Mongo.
- Implemented an internal tool to convert SWF files to concatenated PDFs.

Frontend Developer

Grenoble, France

BEEBUZZINESS

Co-op | Sep. 2016 — Aug. 2017

- Developed a web application of print-on-demand orders management developed in JavaScript with React, Express, and Mongo.
- Maintained an internal product theme customizing system in LESS.
- Implemented a custom quiz algorithm in JavaScript.