

Mazen Elabd

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Experience

Full Stack Engineer

Beyond Apps Group / December 2021 – Present

- Developed and added new features to myzesty.com and Beyond Apps Group website using React, Node.js, Express.js, MongoDB, Redis, Socket.IO, and Next.js.
- Utilised a diverse range of AWS services, including Lambda, S3, EC2, VPC, ELB, CloudFront, IAM, CloudWatch, Elastic Beanstalk, and SNS.
- Created a subscription service with in-app purchases for iOS and Android, with Node.js backend as the gateway.
- Integrated FFmpeg with AWS Lambda for efficient serverless image and video processing.
- Improved MongoDB database query performance through indexing.
- Implemented EC2 auto-scaling for improved website stability.
- Integrated Google Analytics and Hotjar for data-driven decisions for website optimization.
- Enhanced SEO and increased traffic on each website by more than 300%.

Full Stack Engineer

Maison Pyramide / April 2021 – December 2021

- Developed showroom website features using React, Firebase, and Material-UI (MUI).
- Refactored the website to MERN stack, leveraging TypeScript, GraphQL, and NestJS for enhanced performance and maintainability.

Education

MSc in Data Science

Faculty of Technology, School of Computing
University of Sunderland, United Kingdom
2022 - 2023

BSc in Computer and Systems Engineering

Faculty of Engineering, Kafr El-Sheikh University
2016 - 2021

Projects

- **HateGuard** [\[Source code\]](#): Advanced hate speech detection model utilising PyTorch and transformers. Implemented with a Flask back-end and seamlessly integrated with a Next.js front-end.
 - **My Portfolio Website** [\[Source code\]](#) [\[Website\]](#): Built with Next.js, React, and Three.js.
 - **Taylor Fans eCommerce Platform** [\[Source code\]](#): Full stack eCommerce website with admin panel, full-featured shopping cart, and PayPal payment system. Built with the MERN stack, redux, MUI, Cypress, and JWT Authentication.
 - **Real Estate Firm Website** [\[Source code\]](#) [\[Website\]](#): Real Estate website built with Next.js, React, Strapi, PostgreSQL, Cypress, and Framer Motion.
 - **Photographer and blog Frontend Template** [\[Source code\]](#) [\[Website\]](#): Photographer and Blog template built with HTML, CSS, JavaScript, jQuery and Bootstrap. It contains a total of 11 pages with lazy loading support.
- Please visit mazenelabd.com or explore my [GitHub](https://github.com) repositories for additional projects.

Skills

Frontend: React, React Native, Next.js, HTML, CSS, JavaScript, TypeScript, jQuery, Three.js, SASS, Bootstrap, MUI, Nginx, styled-components, Redux, Webpack, Framer Motion, JSON Web Token, and Axios.

Backend: Node.js, Express.js, MongoDB, Redis, GraphQL, Strapi, NestJS, Serverless, Socket.IO, Flask, MySQL, and PostgreSQL.

Machine Learning and Data Science: Python, R Programming, PyTorch, PyTorch Lightning, scikit-learn.

Testing: React Testing Library, Jest, Cypress.io, and Mock Service Worker.

Other: AWS, Git, GitHub, Adobe Photoshop, Adobe XD, and Figma.

Languages

English and Arabic.