

Arantza Rodriguez

Dubai, United Arab Emirates

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Education

New York University Abu Dhabi

Abu Dhabi, United Arab Emirates

B.S. IN COMPUTER SCIENCE WITH MINORS INTERACTIVE MEDIA AND TECHNOLOGY AND ECONOMICS

Aug. 2015 - May. 2019

GPA: 3.61

Professional Experience

Grabbd

London, United Kingdom - Remote

LEAD FULL STACK DEVELOPER

Jan. 2021 - Present

- Designed and implemented a scalable push-notification architecture using Node.js, RabbitMQ, Redis, and microservices to accommodate a 500,000 monthly active user base. Implemented analytics to track the effectiveness of the notification system and analyze user engagement.
- Implemented a scalable personalized category feature to show meaningful content on the application to users based on their location, behavior, and preferences using Node.js, Redis, RESTful APIs, and analytics.
- Led a team of two engineers and two quality assurance testers and developed a testing framework to increase testing speed and efficiency.

PwC

Dubai, United Arab Emirates

LEAD FULL STACK DEVELOPER

Jun. 2019 - Dec. 2020

- Tamm: Led a team of three senior developers, a quality automation engineer, and a business analyst to implement a dashboard for the Department of Health to integrate 90+ services on a web platform. Developed and launched an end-to-end digital product to allow UAE nationals to undergo medical treatment, cutting process time by 39%; projected to be used by 10,000 patients in life saving treatments in 2020 with the use of React.js, Node.js, Typscript, and RESTful APIs.
- GITEX Technology Week: Built a Smart LEGO City with over 15,000 LEGO pieces and over 15 sensors to demonstrate five data-driven scenarios: an air quality detection system; computer vision traffic management; garbage disposal overflow alert system; smart parking; and train incident detection. Integrated the scenarios with Arduino sensors, Raspberry Pis, Node.js, RESTful APIs, and Microsoft Dynamics CRM platform.

New York University Abu Dhabi

Abu Dhabi, United Arab Emirates

INTERACTIVE MEDIA LAB MONITOR

Aug. 2017 - Jul. 2018

- Provided students with assistance in their labs, projects, homework, and research. Monitored the student use of the laboratory's digital fabrication tools such as the laser cutter and 3D printer.
- Led a 3D Blender Modeling workshop to teach 25+ students the uses and applications of a modeling tool.

The Gazelle

Abu Dhabi, United Arab Emirates

FRONT END DEVELOPER

Jul. 2017 - Dec. 2017

- Collaborated on the implementation of The Gazelle's new user interface features for over 12,000 monthly readers using React.js, Node.js and Sass.
- Worked on feature enhancement through the fixing of bugs and the writing of test cases.

Vize Technologies

Queretaro, Mexico

APPLICATION DEVELOPER

Jun. 2017. - Aug. 2017

- Developed 3D models for an augmented reality application that supports engineering, architecture, and education projects using Microsoft HoloLens, Unity, and Vuforia.
- Participated in large-scale negotiations with the Center of Engineering and Industrial Development to implement the application in ten universities.

Independent Projects

EMERGE (Thesis)

Abu Dhabi, United Arab Emirates

FULL STACK DEVELOPER

Jun. 2018 - Jun. 2019

- Developed an Android mobile content creation and distribution application to enable the diffusion of locally produced content in emerging countries.
- Designed three templates to enable users to publish articles and access relevant information to improve their economic and social status.
- Deployed the application in five different developing communities in Mexico for 30+ users and successfully managed to reduce upload and load times of published articles by 20%.

Summary

Technical Languages TypeScript, JavaScript, Python, Java, C/C++, C#

Technology Stack/Frameworks/Tools ReactJS, Redux, AWS, Serverless, NodeJS, Git, RabbitMQ, MySQL, Unity, Blender, Arduino

Languages English (fluent), Spanish (native speaker)