

# Arantza Rodriguez

Bozeman, Montana

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## Education

### New York University

B.S. in Computer Science with minors in Interactive Media and Technology and Economics

New York City, USA / Abu Dhabi, UAE

Aug. 2015 - May. 2019

## Professional Experience

### Grabbd

London, United Kingdom / Remote

LEAD FULL STACK DEVELOPER

Jan. 2021 - Present

- As a full-stack developer, I lead a team of two engineers and two quality assurance specialists to implement user interface features on our native mobile applications. Participate in sprint planning sessions, determine requirements, and develop API changes using Node.js.
- Develop and manage an administrator panel and a business panel using React.js and Node.js. These tools allow our internal and external business teams to view, update, and publish content to our mobile applications. Additionally, they provide access to monitoring and analytics systems.
- Designed and implemented a scalable push-notification and email architecture using Node.js, RabbitMQ, AWS, Redis, and microservices to accommodate a 700,000 active user base. Implemented analytics to track the effectiveness of the notification system and analyze user engagement.
- Implemented scalable features to show personalized content on the mobile application to users based on their location, behavior, and preferences. Improved user retention and engagement by 50%.

### 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, Typescript, 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 one-on-one study sessions with students to assist in labs, projects, and homework 10 hours a week.
- Monitored the student use of the laboratory's digital fabrication tools such as the laser cutter and 3D printer.
- Led two 3D Blender Modeling workshops 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

- Developed user interface features for the student-led university newspaper, The Gazelle, for over 12,000 monthly readers.
- Improved the web application features by fixing bugs and writing test cases in React.js, Node.js, and Jest.

## 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 HTML/CSS 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%.

## Skills

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

**Technology Stack/Frameworks/Tools** React.js, Redux, AWS, Serverless, Node.js, Git, RabbitMQ, MySQL, Unity, Blender, Arduino

**Languages** English (fluent), Spanish (native speaker)