

ALVARO MONASTERIO

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FULL STACK DEVELOPER

Full Stack Developer with a manufacturing engineer background and hands on experience creating programs and applications that increase efficiency and implement lean principles. Knowledge of both frontend and backend development using technologies such as JavaScript ES6, Jest, NodeJS, React, Redux, jQuery, Bootstrap, Express, MySQL, MongoDB. Fluent in English and Spanish.

Object-Oriented Programming • Functional Programming • REST API • Debugging • Data Structures / Algorithm Design • Unit Testing

SKILLS

- **Languages:** JavaScript, HTML5, CSS3, SQL
- **Web:** React, Redux, HTML, CSS, JSON, jQuery, Bootstrap, Bulma
- **Server side:** Express, Node.js, AJAX
- **Databases:** MongoDB, MySQL, mongoose, sequelize
- **Tools:** Git, Visual Studio, Postman, Heroku

PROFESSIONAL EXPERIENCE

Full Stack Web Developer, Freelance at Track My Healing, June 2020 – Present | Fairfield, IA

- Design and develop a web application for people taking medical drugs and other health supplements to help them track side-effects and the evolution of their symptoms over time.
- **Technologies Used:** JavaScript, Node.js, Express, MySQL, Sequelize, React and CSS.
- **Backend:** Develop Database and RESTful API, using JavaScript, NodeJS, MySQL and Sequelize.
- **Frontend:** Design React-based components for health tracking web app using Redux and Hooks.
- Collaborate with other developers on projects and established a project workflow using GitHub.

Manufacturing Quality Engineer, Prent Corporation 2016 – 2019 | Flagstaff, AZ

- Manufacturing quality management and continuous tactical quality operations for Flagstaff plant.
- Responsible for Handling-tool FANUC Robot programming operations.
- Responsible for troubleshooting automation incidents, including HMI, PLC systems and sensors.
- Managing the quality team to maintain quality systems and improving quality.
- Implement continuous improvement projects using lean and six-sigma principles to reduce waste.

Product Engineer, L&T Technologies - Site: Harley Davidson 2015 – 2016 | Milwaukee, WI

- Provide engineering and design support at Harley- Davidson for multiple motorcycle projects.
- Conceptualizing components through sketching, creating models and developing designs with CAD Software (PTC Creo).
- Develop and manage BOM, technical drawings and documents based on project requirements.

OTHER WEB DEVELOPMENT PROJECTS

SlashDebt - Debt Management System (2020) – [Live Demo](#) | [GitHub Repo](#)

Full-stack web app for tracking and managing debt payments

- Web application tool to manage and prioritize personal debts, creating payment schedule and forecast based on interest rates, principal amounts.
- **Frontend:** Design React-based UI components for web applications with Bootstrap.
- **Technologies Used:** React, Node.js, Express, Mongoose, MongoDB, JavaScript, HTML5, CSS3

RUNeando – Web Application for runners (2020) – [Live Demo](#) | [GitHub Repo](#)

Full-stack web app to help runners share and save their favorite routes

- Social Media Platform for runners to share and map their favorite routes using Google Maps API.
- Developed using bootstrap and responsive design principles.
- **Technologies Used:** Handlebars, Node.js, Express, Mongoose, MongoDB, Passport, JavaScript, Bootstrap, HTML5, CSS3

ZeldAlvaro - Web based game (2020) – [Live Demo](#) | [GitHub Repo](#)

- Web based Zelda mini game built using node and HTML Canvas using OOP principles.
- **Technologies used:** HTML5, CSS3, JavaScript and Canvas.

EDUCATION

Full Stack Web Development, IronHack 2020 | Madrid

A rigorous web development intensive course presented by top-ranked IronHack Bootcamp that develops the skills needed to build dynamic web applications and gain proficiency in the theory and application of web development.

- Design and develop web applications using the MERN stack with technologies that include: JavaScript, CSS, Node.js, Express, MongoDB and React.
- **Backend:** Develop REST APIs, using JavaScript with Node.js and MongoDB.
- **Frontend:** Design React-based UI components for web applications using frameworks like Bootstrap and Bulma.
- Develop a web application to manage debt and finances using React, Node, Express and MongoDB.
- Develop a social platform for runners using the Google Maps API for route sharing, implemented with Node, Express and MongoDB.
- Deployed web applications using Heroku and MongoDB Atlas services.

MS Industrial Automation, Universidad Catolica de Avila 2017 – 2018 | (Online)

MBA, Maharishi University of Management 2012-2015 | Fairfield, IA

BS Mechanical Engineering, Universidad Carlos III 2007 – 2011 | Madrid

LANGUAGES

English, Spanish, German: B1