

ALAN BEROTTI

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Technologies

Systems: Windows, Linux (Ubuntu, Fedora, Ubuntu WSL, Amazon Linux, Alpine, CentOS)
Languages: JavaScript, SQL, Python, BASH, C#, PHP, HTML, CSS
Databases: MySQL, MongoDB, Room, SQL Server
Libraries: Express.js, React, jQuery, Selenium, Sequelize, SQLAlchemy, PDFBox, Bootstrap
And More: Git/GitHub, Visual Studio (Code), Arduino IDE, Android Studio, Unity

Work Experience

Web Developer (Full-stack) January 2021 – Present
Isaac Morris Limited New York, NY

- Maintained/extended/documentated an existing LAMP stack web PLM system.
- Designed and created a new MERN stack web application which generates Accounting reports, taking in data from Shopify, ReCharge, Authorize.net, Braintree and several other APIs/SDKs.
- Modified Shopify themes and created new APIs to extend site functionality.

Junior Developer (Backend) July 2019 – January 2020
Appfigures New York, NY

- Integrated new data sources. From parsing external data, to database storage, to extending our APIs for data retrieval. (Python, C#, .NET, MySQL, SQLAlchemy)
- Designed Docker images, for local and for cloud deployment. Oversaw releases using Google Cloud Console and using TeamCity. Was then responsible for monitoring and maintaining reliability of the deployments, utilizing Datadog.
- Planned and performed SQL data migrations as necessary, both involving updated table schemas and not. Such as, removing data duplication by implementing URIs.
- Made optimizations in MySQL 5.6 InnoDB queries, and optimizations in C# ASP.NET Controller functions. In some cases reducing the response time of internal API calls by up to 80%, making it feasible to add additional features.

Personal Projects

Homepage - <https://berotti.dev> (Contains GitHub and demos for below projects)

Alan's Algs (Web)

- Web application which displays and saves preferred algorithms for the Rubik's Cube.
- Built with LAMP stack, PHPMailer, and a library based on ImageMagick.

Lancer App (Web)

- Web application for freelancers, facilitates Bitcoin transactions.
- Deployed on Heroku, separate environments for development and production.
- Built with MEAN stack, uses both custom-built and third-party REST APIs.

Education

Farmingdale State College Farmingdale, NY
Bachelor of Science (Overall GPA: 3.33 | Major: 3.50) Graduated: December 2018
Major: **Computer Programming and Information Systems**
Minor: **Applied Mathematics**