

# Matthew Mata

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## Technical Skills

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**Front End** | JavaScript, HTML5, CSS3, SCSS, React, React-Native, Redux

**Back End** | Node.js, Express, MongoDB, MySQL, PostgreSQL, Redis, Nginx, RESTful API Development

**Deployment/Testing** | AWS EC2, Heroku, Jest, Enzyme, Artillery, Loader.io, Docker, Expo

**Developer Tools** | Git, NPM, Webpack, Babel, Agile Methodology

## Applications

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### Grubhub - System Design and DBMS Optimization

Node.js | Express | MongoDB | PostgreSQL | Redis | Nginx | Docker | Artillery | Loader.io | AWS EC2

- Benchmarked query times of 10 million records between two DBMS (MongoDB & PostgreSQL) via Artillery and selected the more optimized DBMS based on query execution times.
- Reduced restaurant details database query execution time from **95000 ms to 15 ms** through the use of **single key indexing and caching**
- Increased **RPS from 500 to 5500 with 0% error rate** by horizontal scaling via Least Connection load balancing and 4 AWS EC2 Server Instances

### We Play - Sports Pickup Game Mobile Application

React-Native | Express | MySQL | Sequelize | Expo

- Mobile application where users can join various sports matches based on user's geo-location
- Built and styled account component which included functionality to edit profile information in the database and to view all events the user signed up for
- Set up account creation and user verification via **Facebook Open Authentication**

### Nordstrom - Web Application Clone

React | CSS Modules | SCSS | Webpack | Express | MongoDB | AWS S3 | Heroku

- Built main product description section which included image sliding carousels which mimicked the styling and logic of the actual Nordstrom website
- Implemented a **Microservice Architecture** for rendering multiple modular components onto a single proxy server, ensuring future scalability
- Served static media files through a CDN via **AWS S3** to ensure faster response time and latency

## Professional Experience

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### Hack Reactor @Galvanize - Software Engineering Teaching Assistant

2019-Present

- Provide technical guidance to 40+ junior engineers pertaining to JS and CS fundamentals
- Enforce best practices and code readability, such as ES6 implementation, DRY principles, and Git workflow in code reviews, lightning lectures, and whiteboarding practice
- Conduct technical interviews for prospective software engineering admits

### Mata Medical Billing - Medical Billing Assistant

2015-2019

- Contacted insurance companies and patients to resolve financial disputes about outstanding patient balances and unresolved claims
- Managed and reviewed insurance aging reports on Microsoft Excel to help finalize unresolved claims

## Education

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### Hack Reactor, Los Angeles

2019

*Advanced Software Engineering Immersive*

### California State University, Long Beach

2018

*Business Administration, Finance*

Dean's Honor List Fall 2018 | GPA: 3.50