# Regina Serrano

## Software Engineer

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## Professional Experience

**02/2022 – 07/2023**  **Software Engineer,** *BombBomb*
- Refactored key classes of legacy codebase to reduce redundancies, increase testability, and enable business driven design decisions.
- Assisted in database migration from Oracle to PostgreSQL, performing query updates and optimizations to ensure seamless functionality during the migration process.
- Designed, prototyped, and iterated on the company's upcoming flagstone product from conception through limited client release.
- Developed and maintained frontend applications, including API integration, and implemented backend logic for data storage, manipulation, and retrieval.

**08/2021 – 01/2022**  **Software Engineer,** *Lodge*
- Researched, designed, and built an open-source, comprehensive logging framework based on the Elastic stack.
- Automated deployment of ElasticSearch, Logstash, Kibana nodes, and Kafka brokers across multiple availability zones in AWS.
- Optimized clusters for fault tolerance and redundancy against traffic spikes and interruption of service.
- Designed and built a CLI tool using Node.js to configure deployment, and published it as an NPM package.

**04/2021 – 07/2021**  **Software Engineer,** *Timehub*
- Designed RESTful API to fetch, aggregate, and normalize user data from third party APIs, for dynamic dashboard display.
- Implemented authentication and authorization using signed JWTs to securely fetch user data
- Designed and built SPA using React, Tailwind, and Chart.js.

**03/2015 – 12/2020**  **Animator,** *Pixar Animation Studios*
- Researched human communication, reasoning, body language, and emotion to imbue on-screen performances with specificity and appeal.
- Mentored studio interns and local students in their artistic and personal development.

## Skills

**Frontend**
Javascript, React (Redux, Router), MVC, HTML/ CSS, Emotion, TailwindCSS

**Backend**
Node.js, Php, Express, Jest, NGINX, Golang, Java, RESTful API Design, SQL

**Database**
PostgreSQL, Oracle, MySQL, SQLite, MongoDB

**Misc**
Git, Heroku, AWS, Elasticsearch, Japanese, Gardening, Martial Arts

## Education

**2019 – 2022**  **Launch School**