# Tyler LaRocca - Full Stack Engineer

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## SUMMARY

As a full-stack software engineer with a robust foundation in JavaScript, React, HTML, CSS, API implementation, Node.js, Express, PostgreSQL, and frameworks like Bootstrap, I bring a unique blend of technical prowess and educational insights to the table. My academic background in Higher Education and Education (learning and behavioral studies) equips me with a deep understanding of collaborative efforts, leadership, and the importance of continuous learning. These skills, combined with my technical expertise, enable me to deliver innovative solutions, work effectively in team environments, and adapt swiftly to new technological trends.

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## TECHNICAL SKILLS

**Frontend:** HTML, CSS, JavaScript, React, jQuery
**Backend:** Node.js, Express, RESTful APIs, PostgreSQL
**Tools:** Mocha, Chai, Knex, Git, GitHub, Heroku, Node Package Manager, Visual Studio Code

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## SOFTWARE ENGINEERING PROJECTS

**Restaurant Reservation Application | [Link](#)**
- Developed a full-stack reservation and table management system, utilizing React Router and Express to build a RESTful API for seamless HTTP requests to a PostgreSQL database.
- Implemented CRUD functions and utilized Knex queries to efficiently handle data interactions with the database.
- Leveraged Git for version control, ensuring secure management of changes and preventing sensitive information from being pushed to repositories.
- Leveraged React for front-end development, Node.js and Express for server-side logic, Knex for query building, and PostgreSQL for database management, ensuring a robust and scalable web application infrastructure.

**Study Tool Application | [Link](#)**
- Created an application that allows users to create, edit, and delete decks and cards within them.
- Created a REST API and middleware functions to allow user(s) to create, read, update and delete their perfect deck of study cards.
- Defined routes and URLs, and used state over multiple components.
- Leveraged advanced web technologies such as JavaScript, React, Express, Knex, HTML, and CSS for robust application development; meticulously tracked progress and versions using Git to ensure code integrity and collaboration efficiency.

**Library Application | [Link](#)**
- Assembled the functionality for an application that allows users to search, review and check out books from their local neighborhood library.
- Created search and sorting functions to allow users to know what books were available and their rating.
- Used JavaScript functions that are built to enable the expansion of the library with little need for code refactoring.
- Utilized cutting-edge web technologies including JavaScript ES6, Bootstrap, HTML5, and Node.js to create responsive and dynamic user interfaces, enhancing application functionality and user experience.

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## PROFESSIONAL EXPERIENCE

Self-Employed                                                                                                      Riverside, CA
**Freelance Software Developer**                                                              09/2023 - Current
- Developed custom software solutions tailored to client needs, leveraging technologies such as JavaScript, Python, React, Node.js, AWS Services and more.
- Managed project timelines and tracked progress with Git, ensuring timely delivery and high-quality software project.

Carrington College                                                                                           Riverside, CA
**Enrollment Services Representative**                                                      09/2022 - 09/2023

- Engaged with prospective students to provide information about programs.
- Assisted students in the enrollment process, ensuring a smooth transition into their educational journey using collaborative methods within our enrollment team.

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## EDUCATION

**Certificate, Software Engineering,** Thinkful, Online                                          02/2024
- Acquired comprehensive knowledge of industry best practices and software development standards, focusing on JavaScript, HTML5, CSS3, React Native, Node.js, PostgreSQL, RESTful APIs, algorithms, and data structures.
- Demonstrated growth by successfully developing and launching mobile-first applications, actively engaging with senior web developers in a mentor-student relationship to expand language proficiency and framework expertise.

**University of California**                                                         Riverside, CA
**M.A., Higher Education Administration and Policy**                        Graduated June 2022
GPA: 3.5

**University of California**                                                         Riverside, CA
**B.A., Education with a Concentration in Learning and Behavioral Studies**        Graduated June 2021