

# Tyler Becks

Software Engineer savvy with React and Python  
San Francisco, CA

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## Technical Skills

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- JavaScript (ES6)
- Python
- HTML
- CSS
- React JS
- Redux
- Flask
- Node JS
- jQuery
- Sass / Less / Stylus
- PostgreSQL / MySQL
- Webpack
- Mocha / Chai
- Flow
- Immutable JS
- Git

## Software Engineering Experience

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**Smarking**, Fullstack Software Engineer

2016 - Current

Smarking provides parking data analytics SaaS to governments and parking management firms.

- Built core product features using React JS, Redux, and related libraries and tools. Examples include occupancy alerts, an oversell analysis tool, and a revenue goal tracker.
- Developed incremental loading to optimize performance and boost rendering speed of homepage by **306%**.
- Implemented a microservice with Python that notifies over 400 customers of their daily occupancy and revenue.
- Introduced Redux and transitioned frontend data storage to improve code quality and productivity.
- Increased frontend test coverage by **19%** while the frontend codebase grew by **241%**.
- Created backend API routes with Flask and PostgreSQL.
- Refactored the architecture of an intricate, legacy codebase with test driven development and reduced bug frequency by **69%**.
- Revamped workflow to incorporate Scrum methodology, uncovering **3x** more team blockers.

## Software Engineering Projects

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**Reddi2Mingle** - *Dating app for Reddit Users*

- Created user interface with reusable React components to deliver a seamless user experience.
- Developed matching algorithm using Neo4j to match Redditors based on their common subreddit interests.
- Optimized system architecture for scalability with a microservice handling user data stored in PostgreSQL.
- Reduced server request rate and bandwidth spend by caching user matches within Redux store.

**EatUp** - *Social platform to connect people to eat together*

- Restructured application for token-based authentication system with React-Router and Bcrypt hashing/salting.
- Filtered search results with Geolocation API and Google Places API to enhance user experience.
- Designed database schemas in MySQL and API endpoints to manage data pipeline for users and events.

## Education

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**California Polytechnic State University**, San Luis Obispo - Bachelor of Science

2015

## Social and Leadership

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Outside of work, I'm an amateur event coordinator. I've organized themed weekend trips for over thirty people. I'm bilingual in Spanish and English and I've lived in Europe and South America. I also love coffee so much I volunteered on a coffee farm in Colombia.