

BLAKE LEE, Full-Stack Developer

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Portfolio: <https://blakeswl.me>

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Github: <https://github.com/blake-swl>

Creative and agile problem solver, always seeking opportunities to join a group of engineers to develop practical applications on a forefront of technical innovation and user-centric design. Always seeking improvement, I embrace challenges that push me to think outside the box. Foundationally strong in JavaScript, RESTful API design, and database schemas, I adapt swiftly to new interfaces and workflows.

MAIN STACK:

[React.js, Node.js, TypeScript, CSS/SASS, MongoDB, PostgreSQL]

EDUCATION:

Fall 12 – Fall 16'

University of California, Santa Barbara

Santa Barbara, CA

Bachelor of Arts, Psychology

APPLICATIONS:

Content Management System: *React, Node, GraphQL, Postgres, SASS, Jest* 2018 - Current

- Designed and developed a CMS that users can use to publish content without needing to code.
- Utilized **wireframing, prototyping, and testing** to ensure cohesion and functionality.
- Implemented GraphQL server to both tie all endpoints in Postgres CRUD operations and manage state.

Personal Branding Website: *React, Node, SASS* 2018

- Designed my personal website from ground up using modular components.
- Dynamically **responsive to different viewing formats**.
- Integrated Google Maps API to show realtime location.
- Leveraged SMTP server to send emails directly from React component.

Amazon System Design: *Node, PostgreSQL, Nginx, AWS* 2018

- Designed a **scalable architecture** to handle minimum of 10M data points.
- Identified slow read queries in PostgreSQL and **leveraged indexing to optimize** the queries by 1,624,000% (7,000ms to 0.431ms).
- Observed 12% error rate with Loader.io when handling 500 ops in stress-testing and introduced **NGINX to reduce error rate to 0.8%**.

Airbnb Listing Page: *React, Node, CSS modules, MongoDB* 2018

- Designed a functional mockup of Airbnb's listing main page.
- Developed main page header & layout with **modular components**.
- Built **proxy servers to integrate teammates' modules** into, single, cohesive replica.
- **Utilized Docker** to deploy final build on AWS EC2.

WORK EXPERIENCE:

Fall 17-Current

Nishi Poke & Ramen Bistro

Los Angeles, CA

- **Manager**
- **Drove substantial increase (45%)** in lunch and dinner time business by employing 3rd party delivery service vendors.
- Build positive 3rd party vendor rapport to **negotiate discounts on inventory** (-20-30%, significant market price reductions).
- **Maximized inventory space and decreased food waste (90%)** by effectively cataloging through Excel spreadsheets.

SKILLS:

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- Frontend: **React.js, CSS3/SASS, HTML5, TypeScript, Responsive Web Design**
 - Backend: **Node.js, PostgreSQL, MySQL, MongoDB, GraphQL, RESTful API**
 - Utility: **AWS EC2, Webpack, Git**