

## JACOB SOLOMON

Billerica MA 01821 | 978-201-2285 | [jake.ch.solomon@gmail.com](mailto:jake.ch.solomon@gmail.com)  
[jakesolomon.github.io](https://jakesolomon.github.io) | [linkedin.com/in/jacobcsolomon](https://linkedin.com/in/jacobcsolomon)

### PROFESSIONAL PROFILE

**Software Engineer** experienced in microservice-structured, cloud-based technology. Strong communicator skilled at bridging the gap between business and technical teams, translating business requirements into actionable engineering tasks. Breadth of experience includes collaborating across multiple cross-functional teams and solo developing multiple freelance POCs.

#### Technical Skills:

- **Front-End Development Programming Languages** – JavaScript, TypeScript, React
- **UI Component Libraries** – MUI, Bootstrap
- **AWS Tools** – SNS, SQS, ECS, EC2, and S3
- **Data Management** – SQL and PostgreSQL, MongoDB
- **Continuous Integration and Delivery (CI/CD) Pipelines** – Jenkins and CircleCI
- **Unit Testing Libraries** – React Testing Library, Jest, JUnit, Java and Spring Boot web API development

### WORK EXPERIENCE

#### THE GROWING GUIDE

2025–Present

##### **Founder, Lead Engineer**

Built and launched a web app using React/TypeScript and LLM integrations on AWS. Owned the product end-to-end, from UX/UI and user testing to prompt engineering, checkout flow, and digital fulfillment via dynamic PDF generation. Achieved over 300 registered free-tier users with a 34% visitor-to-signup conversion rate.

#### APRIORI TECHNOLOGIES, Concord, MA

2021–2024

##### **Software Engineer**

Developed company's most marketed product, a React/TypeScript web app with Spring Boot microservices housed on AWS, for manufacturing clients. Developed team Agile maturity and facilitated Scrum ceremonies.

- Designed a proof of concept (POC) for new search-system behavior, gaining support from management, product, and UX, leading to a revamped system that reduced expensive backend API requests and improved user experience.
- Facilitated quarterly Big Room Planning weeks for scrum team of 10, turning 1-year initiatives into less than 3-month initiatives, improving project delivery estimates that initially were inflated by 2x within 2 weeks.
- Resolved inter-team dependencies by collaborating cross-functionally and presenting a 6-month plan to 100+ staff.
- Improved response times with clients and product dept by quickly coordinating bug investigations and enhancement requests with 5+ backend teams, while release frequency increased from 1 per year to 2 per month.
- Improved consistency of UI elements and behavior across multiple products by contributing to the building and managing of React common code libraries used by 4 teams across 3 different products.

#### FREELANCE

2020–2021

##### **Web Developer**

Solo developed a React web application called Area for freelance client, for sharing user-submitted locations. Implemented tiered role-based authorization, payment integration with Stripe, and database connection using GraphQL.

#### OPEN DOOR EDUCATION, Concord, MA

2018–2023

##### **Senior Tutor and Software Developer**

Provided one-on-one tutoring in high school mathematics and SAT preparation.

### EDUCATION

**Bachelor of Arts**, English, Journalism, and Professional Writing, UNIVERSITY OF MASSACHUSETTS, Lowell, MA

**Bachelor of Arts**, Mathematics, UNIVERSITY OF MASSACHUSETTS, Lowell, MA