


# Alex Bennett

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## Summary

Software Engineer & AWS Certified Cloud Architect with 10+ years experience crafting comprehensive technology solutions in many industries.

OSS contributor, conference speaker, and life-long learner.

## Experience

### Senior Software Engineer

Product Science

Jun 2022 - Present (1 year 1 month)

Working on the next generation of performance tooling.

Product Science offers a radical new take on performance tooling that yields both higher quantity and higher quality of performance insights for clients.

### Founder

AB Technologies

Jun 2022 - Present (1 year 1 month)

Delivering world-class technology solutions for industry-leading brands.

Available for staff augmentation and consultation services regarding:

- Software Engineering
- Cloud Architecture
- DevOps Practices

### Senior Architect I

lululemon

Sep 2021 - Jun 2022 (10 months)

Software Architect:

- Responsible for the application architecture of everything up to "Add to Bag" on shop.lululemon.com
- Working with the platform team to evolve the application architecture of the FE and MT tier applications.

Solutions Architect:

- Working with customer stakeholders around the org to create solutions to meet their respective needs

### Senior Software Engineer

lululemon

May 2021 - Sep 2021 (5 months)

## **UI Architect (channel partners team)**

### Securian Financial

Oct 2020 - Feb 2021 (5 months)

- Helping Securian with a digital transformation
- Collaborating with architects across the organization to create new systems using Apollo/GraphQL + microfrontends
- Servant-leading the UI development of channel partner UI applications using typescript, react and react-query
- Author of “Create Securian App”, the starting point for new react projects. A webpack-based, “batteries-included” starting point for developing react apps with support for typescript, jest, testing-library/react, CSS modules, and SASS.
- Contributor to shared code bases such as storybook component library
- Mentor to team regarding JavaScript, react, and UI development practices
- Championing keyboard-navigable and accessible web UIs
- Managing the development of react projects that are outsourced to Mphasis development team in India.

## **Lead UI Architect**

### Seaspan Corporation

Jul 2018 - May 2020 (1 year 11 months)

Currently building a technology team from scratch, creating a culture of software development, and architecting front end applications for a 7 billion dollar company.

#### 1) Setting up software development processes

- Using SCRUM methodologies with an agile mindset
- CI/CD pipelines with AWS code pipeline
- Git for version control and code reviews
- Pair programming / Mob programming

#### 2) Building a software development team

- Interviewing, creating technical assessments and hiring developers
- Consciously hiring both Jr. and Sr. devs
- Facilitating daily stand ups, code reviews and mentoring JR. developers

#### 3) Crafting software solutions for enterprise companies

- Architected and implemented a Micro Frontend Architecture
- Using React, Redux, and Electron
- Leveraging typescript
- Leading software design discussions across the stack

#### 4) Product Management

- Interfacing with stake holders to gather business requirements

- Reporting to, collaborating with and gathering feedback from stakeholders
- Breaking down business requirements into developer stories



## **Web Developer**

### **Miner & Kasch Data Science**

Nov 2017 - Jul 2018 (9 months)

Working along side a team of Data Scientists to create end-to-end solutions for clients.

Projects:

DJCity:

- Adding features to an angular.js application, which consumes a python flask application.

Merck pharmaceutical:

- Adding features to a React app using redux and thunk

Marketing site:

- Designed, developed and deployed a headless Wordpress CMS with a React.js front end and Node.js server.
- Set up and configured Wordpress on AWS EC2 with Advanced Custom Fields and ACF to WP V2 API
- Developed a React front end in TypeScript and SASS and deployed on AWS S3
- Developed an Email Micro Service in Node.js and deployed to AWS EB



## **Web Developer (Contract)**

### **Artifact Uprising®**

Aug 2017 - Nov 2017 (4 months)

Working with a team to build a photo editing application in React.js.

- TDD react.js with jest and enzyme
- Redux
- React router V4
- Flow types

Projects:

Online product builder:

Did TDD feature work on product builder which allows users to upload their photos into different physical products and to adjust the images within them as well as toggle product attributes before sending to printers.

Magneto admin tool:

Built a React application to live inside a magneto UI, allowing the sales and CX teams to see granular customer information. This admin tool also integrates with the product builder, allowing users to easily open a customers project in the product builder.

\*Created and held a space for learning and teaching through code reviews and mob programming.\*



## Technical Consultant

### Universal Mind

Apr 2016 - Nov 2017 (1 year 8 months)

Providing consult regarding software development on behalf of Universal Mind.

- JavaScript and Node.js.
- Angular 1.x / Angular
- React.js
- PHP Laravel framework
- Scala Play framework
- Agile / Scrum / Kanban / TDD / code reviews / pair programming + Mob programming



## Web Developer (Contract)

### MicroStar Logistics

May 2017 - Jul 2017 (3 months)

Architected, implemented, designed and deployed a highly functional dashboard which allows Microstar users to perform many business critical operations.

Architected:

Designed and built an algorithm which takes a users permissions as well as company relationships to construct a deeply nested dashboard which allows admin users to see and act on behalf of multiple dashboards at a time. All of this logic lives on the client.

Implemented:

Was sole developer on project. Responsible for implementing in React.js, React Router V4, SASS, Redux, ES2015/2016.

Designed:

Created all UX and UI designs. Generated digital assets in the form of SVG's and a living brand style guide. Provided font selection as well as many other visual identity components. Used Adobe Creative Suite, Semantic-UI React, PHP for the live style guide, pen and paper for rapid prototyping.

Deployed:

Wrote a couple dozen shell scripts which build, test, minify, gzip, set permissions, and enable website static hosting on an Amazon S3 bucket.



## Web Developer

### MapQuest

May 2016 - May 2017 (1 year 1 month)

Projects

Mapquest.io

- Responsible for green field development of mapquest.io UI in typescript, Angular, node.js, and Postgres.
- Set up hosted environments for UI, DB, and Server in Amazon S3, Elastic Beanstalk and RDS.
- Built continuous integration and deployment pipelines using Jenkins multi pipelines. Written in groovy.
- Worked with the ELK stack (Elasticsearch, logstash and Kibana).

- Paired with senior back end developers on a Scala play backend.
- TDD / Kanban / Agile methodologies.

Mapquest.com:

- Wrote Angular.js on front end and Scala (Play Framework) on back end.

Developer.mapquest.com:

- Implemented a complete redesign of a 50 page Drupal site.
- Worked in a LAMP stack, writing HTML5, CSS3 / SCSS , JS, and PHP.

Business.mapquest.com:

- Implemented a static marketing site using HTML5, SCSS, and JS (ES6)

Devblog.mapquest.com:

- Maintained and implemented new features, working with AMP CMS.
- Wrote twig templates, JS, PHP, HTML5 and SCSS.

## Lead Designer/Front-end Developer

Dec 2012 - Aug 2015 (2 years 9 months)

Built, Co-Founded, and grew an e-commerce start-up from 0 to 50k users in 1.5 years.

Product manager, designer and front end developer of four digital products. Two websites: one LAMP stack and one wordpress. And two mobile apps: one native iOS and one Titanium Appcelerator.

## Education



### Occidental College

Bachelor of Arts, Diplomacy and World Affairs

2008 - 2013



### Galvanize Inc

Web development, Computer Science

2015 - 2016

6 month immersive development bootcamp, focusing on the MEAN stack and Java.



### ArtCenter College of Design

Business and Design Management

2013 - 2013

300 level branding and interaction design courses.

## Licenses & Certifications



### Amazon Web Services Solutions Architect Associate - Amazon Web Services (AWS)

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## **Skills**

Computer Science • Communication • GraphQL • Node.js • React.js • Micro Frontend •  
Continuous Integration • Unit Testing • Web Design • User Experience