

JOSEPH MCCULLOUGH

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Senior Frontend Engineer

Experience

Indeed (Senior Software Engineer) *Remote* May 2021 - May 2024

- Led the **ReactJS** front-end effort for one of Indeed's major OpenAI pilots leveraging webpack federated modules.
- Modified the Indeed Assessments **Ruby on Rails** app to allow users to more easily reuse assessment scores.
- Participated in **GraphQL** schema design reviews.
- Worked closely with UX to provide feedback on **Figma** mock files. Created React components per Figma specifications.
- Created **DataDog** dashboards to track errors and business metrics based on user behavior.
- Refactored legacy code to include lacking **Typescript** types.

Thales eSecurity (Software Engineer) *Austin, TX* September 2018 - April 2021

- Used **ReactJS** with **Redux** to develop the UI for Keysecure, the flagship on-prem high security encryption product offered by Thales.
- Developed an interactive Swagger documentation UI used by dozens of engineers.
- Assisted in **REST API** design discussions across multiple teams.
- Set up **continuous integration** pipelines to run unit tests, enforce linting, and ensure consistent code formatting.
- Created an **Enzyme** based integration test framework that outperformed existing Cypress/TestCafe tests by 5x.
- Led the UI team as **Scrum master** and tech lead.

Two Six Labs (formerly IST Research) (DevOps / QA Engineer) *Remote* January 2016 - September 2018

- Integrated **Docker** containers into existing applications. Created development, CI, and deployment flows.
- Used **DataDog** to create system-level monitors and dashboards for custom metrics.
- Managed **AWS** services including EC2, ELB, RDS, Route53, Elasticache, and IAM.
- Used **Ansible** for automated infrastructure provisioning.

Austin Coding Academy (Instructor) *Austin, TX* June 2014 - November 2015

Andrew Harper (Software Engineer) *Austin, TX* June 2013 - September 2015

- Rest API development via **Python's** Django Rest Framework, Frontend development with BackboneJS.
- Implemented the backend for a custom shopping cart.

Nexstar (formerly Communications Corporation of America) (Software Engineer) *Tyler, TX* December 2011 - June 2013

- Developed Drupal modules with **PHP** for 25+ TV station websites.
- Managed **AWS** services including EC2, ELB, RDS, S3, and CloudFront.
- Created sysadmin scripts with **Ruby**.

Vert Studios (Partner - Web developer) *Tyler, TX* September 2010 - September 2012

- Website development via jQuery, Wordpress, RefineryCMS.

Skills

- Languages: TypeScript, JavaScript, Python, PHP, Ruby, SQL
- Tools: ReactJS, Redux, DataDog, AWS, Continuous Integration, GraphQL

Education

University of Texas at Tyler *Double Major Computer Science and Math* Attended 2010 - 2013 (Did not graduate)