Zachary Scott Tarvit

Seeking a senior level role utilizing my understanding of UI/UX principles and my skills as an engineer. I strive for nothing less than excellence in both my products and my peers. 6+ years of professional experience, 16+ programming.

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EXPERIENCE

Amazon AWS, Seattle, WA— *Front-End Engineer*

October 2019 - Present

As the sole front-end engineer in the EC2 Core Platform organization my role is equal parts requirements synthesis, and mentoring & teaching. I work with customer service agents, org leadership, and other internal teams to facilitate ease of use for several internal tools related to EC2 capacity management.

Environment: Ruby, Javascript, Typescript, Java, React, EC2, Lambda, Jackson, Cypress, DynamoDB, Guice, Dagger

Responsibilities:

- 24/7 OnCall rotation member handling global customer requests, and remediating service disruptions
- Org wide SME for a collection of internal tools, React, TypeScript, JavaScript, and end-to-end testing strategies
- Sharing front-end development best practices and knowledge to everyone working on interfaces in the local organization.
- Creating design wireframes to convey interactions to stakeholders
- Design reviews for front and back-end service components
- Code reviews for front-end components, including products outside of my direct ownership chain

Achievements:

- Successfully shepherded a product hand-off, moving ownership of a product and all of its related assets and users to another team
- Safely deprecated a decade old system by ensuring alternate tools were available to handle all use cases - and fixing up those that weren't ready
- Spearheaded development on an internal tool responsible for managing temporary internal physical server requisitions
- Improved user experience of an existing user interface by improving both page optimization as well as accessibility and usability standards
- Brought a wealth of knowledge on both end-to-end and unit testing, resulting in a major increase in test coverage for several services
- Contributed to four internally facing user interfaces

EDUCATION

Georgia Institute of Technology, Atlanta, GA— Bachelor's in *Computer Science*

MAY 2015

Graduated with concentrations in Media and People, for skills in graphics / audio programming, HCI and UI/UX

SKILLS

HTML / CSS / React / AngularJS / Angular 2.0+ / SQL / Spring / Velocity / JUnit / Karma / Enzyme / ReactiveX / Git / Functional Programming / Object Oriented Programming / Lambda / EC2

PROGRAMMING LANGUAGES

C / C++ / C# / AS2 / AS3 / Haxe / Java JavaScript / TypeScript / Python

HOBBY PROJECTS

RetroPie Arcade Cabinet Power Supply Microcontroller
(*Arduino, Java, Soldering, Circuit Design*)

Personal Budget Tracker
(*Postgres, Express, React, Node*)

Controller Input Visualizer for Twitch Streams
(*C++, SFML*)

Pokemon G/S/C ROM Randomizer
(*Java, Reverse Engineering, Hex Editing Compiled Binaries*)

Multiple entries into the Ludum Dare 48 hour game development competition
(*Adobe Flash, AS3, Haxe, OpenFL*)

PREVIOUS EMPLOYMENT

Elavon, Sandy Springs, GA— *Lead Front-End Engineer*

June 2015 - October 2019

Headed front-end development on several internal and external sales tools, admin consoles, and various global customer interfaces with significant internationalization challenges. Worked closely with back-end architects to refine platform level designs.

Environment: Java, Spring, Hibernate, Velocity, Flyingsaucer(iText), RESTEasy, Jackson, JavaScript, TypeScript, AngularJS, React, JSP, JBOSS

Responsibilities:

- Working directly with product owners and business analysts to refine the requirements intake processes - and refine story writing processes in such a way that junior devs could complete them
- Liaising both EU and NA requirements intake pipelines
- SME for AngularJS, Angular 2.0+, React, Redux, RxJS, TypeScript, JavaScript, Product Catalog, and localization processes
- Technical phone screens and panel interviews
- Training new developers on the front-end stack and best practices
- Headed development on 6 user interfaces, worked on at least 9

Achievements:

- Lead a team of 8+ UI developers to deliver a global product with over 90% Unit and Integration Test code coverage, in just 4 months
- Created a React application from the ground up servicing all self-service customers in the USA, Norway, UK, and Poland
  - Built a generic configuration-based layout engine to facilitate rapid development and deployment of changes
- Created an Admin Console framework using AngularJS for use in interfacing with users, code and equipment management, cache resets, quartz job recovery, and a ton of other touchpoints
  - Added role-based authentication to the Admin Console so that the Desktop Support team could log in and interact with user accounts, without seeing other internal system details
- Created a gulp build chain capable of producing any number of AngularJS project outputs while being able to share code between them freely
- Created a webpack build system that allows any number of build outputs for React projects while being able to tree-shake using TypeScript and share code freely between any of the projects
- Reduced page load times on the main internal sales tool from 3 minutes to less than 20 seconds
- Created a browser-based input recording tool for use in converting manual test cases into automated test cases, with batch patching

OTHER FUN TIMES

Dixie Air & Heat, Waycross, GA— *Lead Software Engineer*

Summer 2014

I developed a database and pricing system for an A/C installation company, as well as a front-end interface for sales agents to make quick sales decisions while on-site - plus administration tooling. All from the ground up.

GaTech Outreach & Engagement, Atlanta, GA— *Work Study*

Fall 2014

The GaTech Outreach department was looking to repurpose some older laptops, so I suggested we use a lightweight linux distribution. The only thing that didn't make the transition was the LEGO NXT Mindstorm application, since that was windows only. So I wrote a visual coding editor in C# wrapped around a lib that used bluetooth to interface with the bricks.