MICHAEL SIMPSON
Software Developer | Technology Lead
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Google / Judge | Software Engineer
Seattle WA | Jan 2020 - Present

On contract assignment, maintained and enhanced an application that visualizes Google data centers. Wrote practical unit tests that confirm components behave as expected, insightful integration tests that confirm dependent components are properly bound, and visual regression tests that confirm the views are pixel perfect (**CATALYST / SCUBA**). Maintained and improved build infrastructure (**BLAZE**). Quickly produced an effective, delightful user interface (**ANGULAR MATERIAL**). Processed and aggregated large data sets using functional programming streams (**RXJS**). Resolved complex, cross component state management problems (**NGRX**). Maintained and enhanced a proxy server (**PYTHON / FLASK**). Leveraged enterprise Java services (**STUBBY**). Ensured data structures remained consistent across numerous languages, services, and applications (**PROTOCOL BUFFERS**). Authenticated users and stored account specific data (**FIREBASE**).

Intellicentrics | Technology Lead
DFW Texas | Jan 2022 - March 2023

Developed a suite of applications for scheduling and credentialing health care professionals (**ANGULAR / JAVA**). Advocated in favor of engineering best practices such as unit testing and the principles of Bob Martin. Wrote high quality, easy to read, easy to test code in the functional style (**RXJS / NGRX**). Maintained and developed automated deployment pipelines (**AWS / BITBUCKET / JENKINS**). Monitored and configured micro services (**HELM / KUBERNETES / ARGOCD**). Authenticated users and configured role based micro service access (**WSO2**). Provided day to day technical guidance and code review to numerous developers. Aided business partners by breaking high level goals into actionable tasks (**JIRA**).

Citi / TCS | UI Developer
DFW TX | Nov 2018 – Feb 2020

On contract assignment, developed parts of the new Citi.com using Angular 7 and standard Agile ceremonies. Wrote useful, intelligent Jasmine unit tests. Updated existing microservices as needed by working closely with Java development teams. Quickly delivered world-class, bug-free, reusable code, that is consumed by millions of users every year. Worked closely with an international team of managers, developers and testers. Employed effective globalization techniques for an easily localized application.

T-Mobile / Highbrow | UI Developer
Seattle WA | Aug 2018 – Nov 2018

On contract assignment, created web-applications that aid organization security goals. Created an application that intakes all new repositories for security scanning. Created an application that serves as a reference to determine the security rating of a project. Implemented a secure download feature and a custom progress indicator by developing a PHP proof-of-concept and working closely with a Java developer.

Wells Fargo / S3 | UI Developer
St. Louis MO | May 2018 – Aug 2018

On contract assignment, developed software that monitors the behavior of internal brokers for auditing and compliance purposes. Used Scaled Agile Framework to distribute workload across large groups of people. Engineered client side and server side solutions using Angular 4 and Visual Studio.

Microsoft / Aerotek | UI Developer
Seattle WA | Jun 2017 – May 2018

On contract assignment, designed and developed internal tools for a stronger Microsoft. Solved cumbersome, systemic

problems with delightful, dependable web-apps. Worked closely with project managers to gather requirements from clients. Worked closely with solution architects to design reliable, maintainable, easy-to-understand back-ends.

Gnostech | UI Developer
Seattle WA | Jul 2016 – Jun 2017

Designed and developed the front-end of security software for the Department of Defense and global shipping industry. Translated user needs into comprehensive mockups and then into concise, effective, well-annotated code.

Sonosite | UI/UX Designer
Seattle WA | Aug 2015 – Jul 2016

Created UI/UX specifications for emergency medicine ultrasound equipment. Conducted extensive user research. Generated visual design that aided learnability. Employed common design tools such as mapping, feedback, and signifiers.

University of Cincinnati
Cincinnati OH | Sep 2010 – May 2015

Achieved Bachelor of Science in Design with UI/UX Design and Software Development focus. Completed several meaningful internships that accelerated professional development. Translated user research into delightful digital experiences.

University of Cincinnati
Cincinnati OH | Sep 2007 – May 2014

Achieved Bachelor of Arts in English with Comparative Literature and Cultural Studies focus. Developed reasonable, effective interpersonal communication skills. Gained a deep appreciation of the human experience.

Ludwig-Maximilians Universität
Munich DE | May 2010 – Sep 2010

Studied UI/UX Design, Software Development, Bavarian culture and the German language. Lived in and adapted to a foreign country. Completed an internship.

Self Directed Learning

I continue my education with classic literature (e.g. Asimov, Steinbeck, Dick, Twain, Rand, Shakespeare, Aristotle) and professionally relevant non-fiction (e.g. *The Manager's Path*, *Zero to One*, *The Code: Silicon Valley and the Remaking of America*, *Clean Code*, *Clean Architecture*, *Tools and Weapons: The Promise and the Peril of the Digital Age*, *The Lean Startup*, *The Inmates are Running the Asylum*, *The Design of Everyday Things*, *Good to Great*, *Built to Last*, *Do You Matter?*, *The DevOps Handbook*, *The Phoenix Project*, *Eloquent JavaScript*, Harvard Business Review, MIT Technology Review).