

Derek Nelson

1431 Leforge Rd. Apartment 202, Ypsilanti, MI 48198
dereknelson.io ♦ github.com/nelson54

I want to write clean, maintainable code and have a good time doing it.

I like to port board games to the internet. When I was hired at Ford I recreated a game called Lost Cities using our tech stack and a similar architecture. It has helped me to better understand and use Kotlin, Terraform, GCP, Grafana, Jenkins, and Hibernate. I have even used this project to teach ideas people on my teams. I love hackathons and have three Top 3 finishes and a 1st place at Startup Weekends across the country. My games have placed 5th overall and 2nd in gameplay at the University of Michigan Global Game Jam.

Technologies

Kotlin, Terraform, JavaScript, Spring, Java, Angular, Vue, Gradle, Webpack, Ansible, Linux, Docker, Grafana

Employment History

Ford Pro Intelligence (TEKSystems) – Vehicle Health and Monitoring Anchor **July 2020 - Present**

I support 5 microservices at FPI. Planned and delivered a feature for notifying customers of regular vehicle maintenance. Improved the Health Microservices database footprint by 70%. Lead a monitoring initiative for over 50 API's and Processors accross FPI from planning to delivery. Built a new Jenkins pipeline for Grafana that has been adopted by multiple teams. Worked with architecture to define service responsibilities and helped other teams to release features while making progress towards our architectural goals.

Tech: Javascript, Vue, Kotlin, Spring, Microsoft SqlServer, Azure, GCP, PCF, Jenkins, Grafana, Github

Zix/AppRiver – Team Lead and Scrum Master **November 2018 - May 2020**

Delivered a Rails app that allowed customers to “unsend” emails to internal Outlook addresses. Created a scalable email filter for removing executable scripts in Office attachments. Developed the initial proof of concept for this queue and the attachment processor using C#. Worked closely with DevOps to create redeployable infrastructure scripts for my team using Octopus, Salt, and Bash.

Tech: Ruby, C#, Python, Mongo, Salt, Linux, AWS

Learning A-Z – Software Engineer 3 **May 2013 - October 2018**

Lead developer of a placement test for the Headsprout project that placed students based on reading level. The placement test was developed to run on web, iOS, and Android. Created a new user management system in Spring and Angular for Kurzweil 3000 that is used by thousands of schools. Created a heat map to show live market penetration by state that was emailed weekly to management. I participated heavily in recruiting, interviews, and our internship program.

Tech: Javascript, Java, Spring, Ant, PHP, Angular 1.x, MySQL

Supply Chain Management (England Logistics) – Software Engineer 3 **2012 - 2013**

Building an audit and pay system called Edge. Created front-end interfaces in Google Web Toolkit and Angular. Utilized python to automate importing bills into a legacy system. Built and maintained indexes for searching Lucene and CouchDb.

Tech: Javascript, Angular 1.x, Java, Spring, Python, CouchDb, Lucene, Maven

Admissions Department (Ferris State University) – Web Developer **2010-2012**

Wrote the admissions application for non-traditional students. Created an interactive map for students to find the Admissions officer for their region.

Tech: Javascript, ColdFusion, BackboneJS, jQuery, Microsoft SQL Server

College of Business (Ferris State University) – Web Developer **2009-2010**

Maintained the College of Business website.

Tech: Javascript, ColdFusion, BackboneJS, jQuery, Microsoft SQL Server

Computer Technology Services (Ferris State University) – Support Technician **2008-2009**

Mac and administrative support technician. Maintaining machines and troubleshooting hardware/software problems.

Education

Ferris State University **2006-2011**