





Edwin Marshall

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Summary

After years of being a high-velocity individual contributor and effective communicator with a passion for education and mentorship, I'm ready to take my career to the next level.

As a staff+ engineer, I believe I can leverage my years of experience working on open source and proprietary code of various sizes and diverse histories to help organizations solve real problems.

As an individual contributor, I always contributed to projects outside of my official duties to help propel organizations forward by identifying and troubleshooting technical hotspots, writing documentation to help streamline onboarding of new engineers, and introducing processes that integrate stakeholders in engineering, product, and quality assurance to ensure we were always building the best software possible.

Skills

Python

- BeautifulSoup
- Django
- Flask
- PyTest
- Requests
- SQLAlchemy
- asyncio

JavaScript

- ES6
- Jest
- Node
- React
- Redux
- Webpack

HTML & CSS

- Bootstrap
- Flexbox
- Material Design
- Media Queries
- Polyfills
- Semantic HTML

Devops

- AWS
- CircleCI
- Docker
- Heroku
- Linux
- SSH

RDBMs and NoSQL

- MongoDB
- MySQL
- PostgreSQL
- Redis
- SQLite

Work History

Senior Software Engineer

Kandji - Portland, OR

March 2021 to Present

- Helped shepherd adoption of a prominent platform used to selectively enable features across one or more customer instances.
- Published several documentation articles in the organization wiki, including RFCs detailing architectural improvements to core business components, onboarding material for new hires, and technical articles to help engineers educate themselves on novel technologies used at the organization.
- Authored both front end and backend optimizations to drastically improve various pages within the core product.
- Facilitated adoption of agile principles on multiple teams to aid in the team's planning and operational efficiency.
- Selected to be part of the first official leadership development program.

Senior Software Engineer

ActiveCampaign - Indianapolis, IN

February 2019 to March 2021

- Helped to design and implement the architecture of a system which allowed for the declarative configuration of third party integrations that could transform data to be shared with our internal systems.
- Helped implement an in-browser editor for the declarative format for use by third party developers when writing their integrations.
- Wrote internal tools to help Sales, Marketing and Customer Services get insight into how well our integrations are performing in order to keep their clients well-informed.
- Wrote tools to make every day tasks for developers across multiple teams easier and less error prone.
- Over time, implemented various improvements to an inherited code base that both phased out deprecated technologies and coding patterns in favor of modern approaches, but also improved the efficiency of the system and improved maintainability of the platform.

Dev Lead Theoris, Inc - Indianapolis, IN	August 2018 to March 2019
<ul style="list-style-type: none"> Helped put various agile processes into place to both streamline the development process and ensure the stability of production systems. Improved the performance of client-side and server-side systems, reducing memory consumption, reducing latency, and eliminating unnecessary computations in various areas throughout the platform. Conducted training, wrote documentation, and introduced docker scripts to improve the on-boarding process and understanding of the code base for my client's future employees. 	
Senior Instructor / Tech Lead Kenzie Academy - Indianapolis, IN	November 2017 to August 2018
<ul style="list-style-type: none"> Contributed to a large portion of the Software Development course, writing lessons, activities, and assessments and reference solutions on topics ranging from modern styling with Flexbox and CSS Grid, modern JavaScript features using ES6, list and dictionary comprehensions in Python, and Test Driven Development. Deployed and configured the Learning Management System using Amazon Web Services, including S3, EC2, and RDS. Was consulted on the studio side of the business to meet with prospective clients and make major architectural decisions, in addition to building out continuous integration and delivery infrastructure using Docker, CircleCI, and AWS. Helped develop and implement the screening process for prospective students and deployed an applicant tracking system. 	
Lead Instructor The Iron Yard - Indianapolis, IN	May 2017 to November 2017
<ul style="list-style-type: none"> Provided support to other instructors, including giving lectures on more nuanced topics such as the Model-View-Controller pattern, Big-O notation, and unidirectional state management using Redux for single page web applications. Contributed to making the Indianapolis campus the number one campus in the nation as measured by key performance indicators. 	
Vice President of Product Clear Software - Zionsville, IN	July 2016 to April 2017
<ul style="list-style-type: none"> Helped institute Agile development practices, as a means of accurately measuring development velocity to obtain more accurate estimates on the complexity and duration of various development tasks. Refactored the back-end, resulting in a 10-fold improvement in the responsiveness of the application for end-users, and the ability for it to support over 100,000 concurrent users, up from the original limit of 1,000. Wrote a drag-and-drop tool that allowed end-users to create a custom UI layer over their SAP, Oracle, and/or Salesforce instances without needing to write a single line of code. 	
Software Developer DirectEmployers Association - Indianapolis, IN	July 2014 to July 2016
<ul style="list-style-type: none"> Helped write a tool to assist employees with outreach efforts to under-served communities which scraped various online government databases and collated the information in an easy-to-use system. Was often called on to quickly troubleshoot and fix historically problematic systems when time was of the essence. Wrote a custom user permissions system to meet the company's need for granular control of user rights that exceeded those provided by the web framework and plugins available at the time. 	

Open Source

Purescript	January 2015 to January 2016
<ul style="list-style-type: none"> Submitted patches to upstream compiler to increase stability. Contributed features to various third-party libraries in a variety of domains. 	
SFML	September 2011 to October 2013
<ul style="list-style-type: none"> Helped unify the PySFML API so that it better adhered to PEP-8 coding standards. Contributed significantly to the documentation, often rewriting complete sections. Added a few features, such as the video player. 	
Kivy	May 2012 to June 2014
<ul style="list-style-type: none"> Accepted as a 2014 Google Summer of Code student. Re-factored code to reduce complexity while still introducing new features. 	
Other	January 2014 to Current
<ul style="list-style-type: none"> contributor to various open source libraries, applications, and games for over a decade 	

Education

MBA, Information Technology Management Western Governor's University - Indianapolis, IN	2017
Bachelor of Science, Communication, Philosophy Minor Arizona State University - Tempe, AZ	2016