Justin Hoyt

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Experience

Software Engineer Advisor at Pathrise | San Francisco, CA (Remote) Feb 2019 – Present

- Working as a technical and behavioral advisor at a career accelerator focused on helping Software Engineers bootstrap their careers in various industries.
- Mentoring students with technical interviews, behavioral interviews, and resume writing.
- Designed and wrote Net Promoter Score survey that went into production while on a development onsite.
- Utilized Ruby on Rails and React to implement the feature, including an integration to email the appropriate advisor and advising manager if a student gave a low satisfaction score.
- Lead algorithms and data structures workshops, pair programming workshops, and interview reflection sessions.

Software Engineer in Autonomous Vehicle LLC at Ford Labs | Dearborn, MI Jan 2020 – Present

- Working at a project startup incubator that proves or disproves the viability of startup products. We rapidly develop and scale products to transition back to their home organization in the enterprise.
- Developing on the new Ford and Lincoln owner's help page, help.ford.com, with a human-centric design experience based on user interviews, call center data, and Net Promoter Score data.
- Integrating single sign on experience with our application to pull user's VINs automatically to check for Sync updates and information on recalls.
- Leveraging Gatsby.js to generate, cache, and prefetch static webpages.
- Enable faster content publishing without developer intervention by integrating Gatsby.js with Netflify, our Content Management System.
- Developing reusable React components that can be imported into Netlify for easy use by designers when creating a new page.

Software Engineer in Mobility Research Department at Ford | Dearborn, MI Jan 2019 – Dec 2019

- Worked on near term research into emotional AI and a new containerized platform for computation in vehicles.
- Converted proprietary emotional AI microservices into containers and orchestrated them for future use in vehicles.
- Worked with an undisclosed partner integrating a proprietary sensor to detect hidden codes in signs and city infrastructure to be read by the vehicle. These messages can relay live traffic and worksite information to the vehicle along with being able to stream images, audio, and text to the entertainment system for a more immersive experience when driving in a city.
- Successfully integrated with the new sensor to publish information to the cloud and created an application to consume the data on Ford's Sync entertainment system to output relevant visuals and audio to the driver.
- Delivered successful live vehicle demo to executives in a track with hidden codes at various places through the ride.
- Created a car module that communicates with the vehicle CAN bus to collect vehicle data and publish messages for any other module or device on the vehicle to subscribe to.
- Designed interview process and lead technical interviews that resulted in several hires across three teams in the mobility organization.
- Worked with a different undisclosed partner to make an in-vehicle expandable computational platform for future autonomous vehicles.
- Connected in-vehicle platform to a cloud based container manager that successfully deploys different sensor and ML model containers to vehicles for easy plug and play with new hardware.

Software Engineer in the Fintech Department at Ford Credit | Dearborn, MI Jun 2017 – Dec 2018

- Worked on My Next Vehicle (MNV), a service that uses machine learning to intelligently provide next vehicle recommendations and and Personal Lifetime Communications (PLC), a web-app that provides relevant finance and lease contract information for Ford and Lincoln financial products.

- Designed and implemented vehicle upgrade recommendations, pre-approvals, and estimated monthly payments on MNV, resulting in a click through rate 850% higher than the industry average.
- Expanded PLC to include Lincoln customers and retail finance customers, doubling our monthly visitors to over 100,000.
- Designed and lead the technical interview process that resulted in several hires across three teams in Ford Credit.
- Retooled our team's code review process to encourage collaboration and shared ownership of features to increase team confidence in code quality of releases.
- Improved developer productivity by creating a framework to set up and sync development environment settings and install all required software.
- Created a database seeder service to replace custom SQL insert statements for local database, improving readability and maintainability.

Co-op DevOps Engineer at Oplogic | Clawson, MI   **Jan 2016 – Feb 2017**

- Worked on a fast paced team as the first DevOps Engineer to increase developer efficacy, reduce defects, and improve the application's stability.
- Enabled the automation of builds by implementing Gradle as the company's first ever build tool.
- Created a consistent development environment with Vagrant that closely matched the production environment.
- Migrated version control system from CVS to Git, then created a branching strategy and workflow for team
- Introduced server monitoring and a script to kill and restart unresponsive web servers.
- Created and Managed local databases with Flyway, replacing a shared, outdated, and non-versioned development database.
- Designed continuous integration and deployment to automate builds and releases using Jenkins.

Education

University of Michigan - Dearborn   **Graduated April 2017**

- Bachelor of Science in Computer and Information Science.   **3.88 GPA | High Distinction**
- Majored in Computer Science.

Skills

- Knowledgable in Python, Java, and Javascript.
- Prior/Partial experience with TypeScript, Ruby, C++, C#, and SQL.
- Current or prior experience in Spring Boot, Rails Laravel, React, and Angular.
- Experienced in Docker, Git, and Jenkins.

Project

Ford Developer Enablement Hackathon

- Identified a weakness in out of the box server monitoring and logging for internal applications.
- Implemented a solution that pulls logs from Spring Boot servers and forwards them to a React frontend.
- Wrote the entire Frontend with functional React and Bulma, a CSS framework.
- Delivered a UI that streams all the logs and displays them in a card style.
- Implemented client side fuzzy searching through the logs for important error messages.

PoshPlus (GitHub)

- Created an open source PowerShell framework inspired by projects such as oh-my-zsh that improves the terminal experience on Windows.
- Provided over 100 git aliases with a helper command to help easily discover them.
- Included visually pleasing and contextually sensitive themes such as the popular Agnoster theme.
- Abstracted the provided a package manager to allow users to install any software for fast and easy setup.
- Included command history search to complete partially typed commands against the command history.

Passive Language Learning

- Developed a Chrome browser extension to help users passively learn a new language.

- When a user installs the extension they choose the language they are learning in the dropdown menu and the extension will translate and highlight many words on every website they visit.
- Created an on hover features that will show the original untranslated word to help increase the user's vocabulary in their language of choice.
- Acquired experience in JavaScript and jQuery.