David Larson

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EDUCATION

Worcester Polytechnic Institute   Worcester, MA
Bachelor of Computer Science with Distinction; GPA: 3.34   *May 2020*

EXPERIENCE

Microsoft   Remote
Software Engineer   *Aug 2023 - present*

- Independently designed, implemented and deployed .net API service for configuration of embedded PowerBI reports in admin portal leveraging Azure CosmosDb. Contributed to development of bulk user import operation leveraging Azure Service Bus.
- Worked on a team to create from scratch a responsive react.js admin portal interfacing Followed UX specifications and interfaced with 7 different API services and ≈100 endpoints.
- Worked on, supported, and helped onboard client teams to backend system to interface legacy authorization schemes with Azure EntraID.
- Spearheaded the migration of engineers to begin working on Msft "1st party" rewrite of Nuance admin portal and backend.
- Assumed ownership of LogAnalyzer, a tool used for debugging production CIs after architect was let go due to reorganization. Carried out security-related upgrades and maintenance. Implemented new features to improve ease-of-use by DRIs.

Nuance   Burlington, MA (remote)
Software Engineer   *Jun 2020 - Aug 2023*

- Feature-complete total rewrite of legacy front end admin application in React.js. Implemented DevOps and security infrastructure. Integrated with various Azure services.
- Helped to develop a cross-team front end component library and interactive documentation used by multiple adjacent client teams.
- Implemented CI/CD, automation, testing and vulnerability scanning pipelines for repos of various stacks.
- Contributed to development of comprehensive suite of functional tests for front end admin portal as well as back end API service.
- Created pipeline for automatic dependency upgrades leveraging renovate tool for swath of repositories, resulting in fewer show-stopping vulnerabilities or CIs.

Nuance Communications   Burlington, MA
Software Engineering Intern   *May - Aug 2019*

- Developed ASP.NET web application to interface with AWS EC2. Allows configuration and management of VMs running pre-configured SOAP UI tests for load testing on Azure servers.

PROJECTS

- **Major Qualifying Project: GANs for Vehicle Trajectories**: Using Generative Adversarial Networks (GANs) to analyze and predict traffic patterns. Training model with trajectory data to generate trajectory data on an overlaid grid, then attempting to enhance resolution of given data.
- **Rusty Rhino**: Implemented full stack application for a small furniture restoration business. Includes React.js front end with CMS, CosmosDb, Java REST API, CI/CD for all components, and resources managed through IaC.

PROFESSIONAL SKILLS

- **Languages**: Java, Python, C/C++, C#, JS/TS, HTML/CSS, Rust

- **Software & Tools**: React, .NET, AWS, Azure, Jest, Playwright, Veracode, Renovate

- **Other**: Agile/Scrum

- **Certifications**: AZ 900, AZ 204