

NABEEL ASGHAR

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EDUCATION

Wayne State University, Detroit, MI - B.S. in Computer Science

Graduated May 2020

EXPERIENCE

Software Engineer

Nov 2021 – Present

Airspace Link

- Worked on the Data Products team to deliver features worth over \$5 million in contracts for clients such as UPS, Sprite, Google Wing, and Amazon for their drone delivery programs.
- Helped architect and develop a paradigm in Golang to query for 100s of big data sets used to generate polygons for web maps to display.
- Developed a queue system using Azure and Golang to fulfill large API requests, millions of lines of JSON, which take hours to generate surfaces (overlays for web maps) from big data sets.
- Created a library in Golang to parse JSON into valid SQL statements using recursion with SQL injection protection. The library can parse an infinite number of statements with infinite nesting.
- Coded a widget in TypeScript that streamed telemetry data of drones in an area from a web socket to display onto a web map.

Full Stack Software Engineer

Sept 2020 – Nov 2021

Ford Motor Company

- Worked on the eCommerce team to develop an application for Ford dealers to fulfill over 50,000 Mustang Mach-E, over 150,000 Bronco, and over 100,000 F-150 Lightning orders and reservations online in North America and Europe.
- Developed using React, Java/Spring, Material-UI framework, and a microservice architecture.
- Lead the development of the integration of ICE (Internal Combustion Engine) vehicles into our previously electric vehicle only application for European markets.
- Architected and developed dynamic vehicle lines that would determine which vehicle models would be available for which market that is used throughout the entire web application.
- Created feature for dealers to allow delivery of vehicles to customers within set delivery ranges.
- Refactored reporting features to create market level reports with a 400% increase in performance.

SKILLS

Programming: Golang, JavaScript/TypeScript, Python, React/Redux, SQL

Applications: Microsoft Azure, Jenkins, Terraform

PROJECTS

PhotoSpot LLC - www.photospot.site

- Developed a web application that connects amateur photographers to prospective clients.
- Designed and developed in React, Express.js, and Firebase that allowed the login, search, booking, and payment of photographers in a given area.
- Payment and refund system created to process customer orders via Stripe integration.
- Created a photo delivery system for photographers to store customer pictures into an online storage.

Serume - www.serume.org

- Created a website in React for new graduates to submit resumes for no charge. The Serume team would then edit resumes and offer feedback, career advice, and interview tips.
- Helped over 50 clients in their pursuit of a better resume, career advice, or interview tips.