Cy Pemberton

Software Engineer

SUMMARY

Results-driven Software Engineer with a robust blend of technical, project, and engineering skills as well as proven soft skills. Offering a track record of quality and hard work, coupled with a passion for computer science and problem solving. Looking for a remote engineering role to utilize my existing skills while continuing to grow and add new skills.

WORK EXPERIENCE

Daimler Truck North America | Portland, OR

January 2023 -- present

Application Development Analyst II | FTE

- Backend developer for Asp.NetCore application enabling users to easily create and program custom electronics functionality for semi-truck ECUs
- Develop business rules into program logic to meet customer needs
- Act as liaison for other developers to solve application infrastructure needs
- Create and manage scopes of work, ensure business stakeholders are in agreement

Software Integration Engineer | Contract

- Automated workflows and assess autonomous vehicle health utilizing Python, CAPL (embedded C), and various proprietary languages, libraries, and systems
- Performed Procedural RCA of system's ECU software and CAN issues with Vector tools like CANoe
- Provided remote support to assess and troubleshoot issues with deployed vehicles

Software Engineer | 100devs | Remote

January 2022 — December 2022

- Developed full-stack web applications utilizing JavaScript/TypeScript alongside MongoDB, PostgreSQL, Express.js, React.js, and Node.js
- Deployed products to various services such as AWS, Azure, and Heroku with additional technologies, frameworks, and cloud services as needed
- Collaborated with a cross-functional team to design, build, and test responsive products for a variety of clients and startups

Toyota Motor Manufacturing North America | Jackson, TN

September 2019 — March 2022

Powertrain Casting Engineer | FTE

- Managed and led industrial construction projects from planning phase through on-site construction and commissioning
- Performed Fanuc Robot and Toyopuc PLC programming to improve cycle times and reliability of automated equipment
- Balanced and managed projects and budgets in the $3-$15mm range

Project Engineer | Contract

- Planned efficient equipment procurement and re-use, cutting costs by $0.9mm (50%) vs initial
- Produced specs for vendor scope, equipment design, and install plan schedule
- Directed SE activity and managed gate check milestones for new model engine projects

CONTACT

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SKILLS

Azure

C#

ASP.NetCore

CSS/HTML

Cloudinary

Express.js

Git

JavaScript

MongoDB

Node.js

OOP

SQL

Python

React.js

Tailwind.css

TypeScript

EDUCATION

U. of Tennessee

2015 - 2019

B.S.E with Honors - Mechanical Engineering

three internships

OTHER MENTIONS

2019 International Spaceport America Cup:

Team Lead of the Rocket Engineering Project, earned 4th place.

NCEES certified:

Engineer in Training, passed the FE.