

# JONATHAN POTEET

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## SUMMARY

Full-Stack Software Engineer with 5+ years of experience building and iterating on user-facing products and internal tools using TypeScript, Node.js, and Python. Proven ability to ship maintainable features, improve existing systems, and support production environments through strong CI/CD and quality practices.

## EDUCATION

**Vanderbilt University**, Nashville, TN

December 2025

Masters of Science in Computer Science

GPA: 3.97

**Florida State University**, Tallahassee, FL

December 2020

Bachelor of Science in Information Technology

GPA: 3.80

## PROFESSIONAL EXPERIENCE

**General Motors, Software Engineer** – Roswell, GA

March 2021 – December 2025

- **Full-Stack Modernization:** Key contributor to modernizing global technician and customer web platforms (Service Workbench, D2C, Dash) using Angular, TypeScript, Next.js, Java, and SQL.
- **Performance Leadership:** Led the My Orders front-end for multiple European markets; migrated the Dash monorepo to Solid.js, significantly improving performance and maintainability.
- **DevOps & Quality:** Enhanced API discoverability using Spring Boot Swagger and managed CI/CD pipelines via Azure DevOps. Enforced code quality standards (Angular and ESLint Strict Modes) on legacy systems.
- **Localization & Data:** Integrated Strapi CMS and APIs to deliver real-time, localized order, financial, and vehicle data across four European markets (FR, SE, CH, DE).
- **Efficiency:** Implemented Vitest for comprehensive testing and utilized GitHub Copilot to accelerate component development and unit test creation.

## PROJECTS

**Random Forest Pipeline & Responsible AI**

July 2025 – August 2025

- Developed a complete Random Forest pipeline for predictive modeling. Applied Responsible AI principles to assess bias and ensure model interpretability. Engineered automated feature selection and hyperparameter optimization workflows, enhancing model accuracy and robustness.

**Model-Integrated Computing – Turtle Graphics Design Studio**

October 2024 – December 2024

- Built a visual design studio leveraging Domain-Specific Modeling Languages (DSMLs). Implemented a model-to-code transformation pipeline to automatically generate executable code, enabling rapid prototyping and extensibility for domain-specific design needs.

**Kubernetes Cluster for Distributed Systems**

October 2024 – November 2024

- Designed and deployed a distributed system across four VMs using Kubernetes, Docker, and Ansible. Integrated Kafka for high-throughput messaging, optimizing CPU/memory usage to scale throughput from 500 → 5,000 messages per node. Developed CI/CD automation to streamline image management and enforce deployment immutability.

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Python, Java, C, SQL, HTML

**Frontend/Web:** React, Next.js, Angular, Solid.js, HTML, CSS, SCSS

**Backend/Runtime:** Node.js, Spring Boot, Kafka Databases: MongoDB (NoSQL), MySQL, Postgres (SQL)

**DevOps/Tools:** Kubernetes, Docker, Ansible, Azure DevOps, CI/CD, Jupyter, NPM, Jira

**Operating Systems & Networking:** Linux (Ubuntu), virtual machines, TCP/IP, service port configuration, container networking

## CAMPUS & COMMUNITY INVOLVEMENT

Eagle Scout, Boy Scouts of America

2016

Study Abroad, FSU International Programs, London, England

Summer 2019