

Grant Walker

Software Developer

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Skills & Technologies

Languages: Typescript/JavaScript, Python, Rust, HTML, CSS, SQL, C#, VBA, Java

Frameworks & Libraries: Angular, React, Spring Boot, Thymeleaf, Next.js, Tailwind

Technologies: AWS Amplify & DynamoDB, Git, Jira, MS Power Platform, Azure GenAI, Cognex

Experience

FORCEAI | Full Stack Agentic Developer

October 2025 – November 2025

Agentic Software Development:

- Full Stack developer for an agent OS system utilizing rapid agentic coding practices while verifying agentic output.
- Designed user-friendly front-end React-Tailwind interfaces while refactoring the Python-Rust back-end for improved performance.
- Organized AI communication protocols to enhance agent efficiency and responsiveness.
- Developed agentic communication standards for reliable communication.

Machine Research Corporation | Full Stack Web Developer

March 2025 – July 2025

Product Development & Engineering:

- Developed and maintained production-grade web applications, translating stakeholder requirements into intuitive user experiences directly contributing to the company's ability to secure significant funding.
- Collaborated cross-functionally to identify and resolve 15+ high-impact bugs, improving application stability and user satisfaction.
- Built and deployed 10+ front-end and back-end components using TypeScript, Redux, HTML, CSS, AWS Amplify, and AWS DynamoDB.

Collaboration & Impact:

- Worked directly with CEO, CTO, Sales and Marketing teams to define product requirements based on customer needs and requests
- Actively participated in peer code reviews to uphold coding standards and ensure maintainable, scalable solutions.
- Contributed to strategic product decisions regarding core app functionality, UX, and architectural design.

Tektronix | Innovation Software Engineer

July 2022 – November 2024

Defect Tracking System (DTS) Web App:

- Facilitated UI/UX workshops with users to create 5 web page mockups and designs.
- Guided an intern in crafting a web application, subsequently assuming full ownership.
- Implemented over 20 features, spanning both front and back end development, utilizing SQL, Java, Spring Boot, and Thymeleaf.
- Actively solicited stakeholder input to refine the application and associated processes.

AI Application Engineering

- Led AI integration into manufacturing processes by developing AI solutions and educating peers on AI use cases driving innovation and operational efficiency.

Robotic Process Automation (RPA):

- Researched, developed, and implemented a global purchase order acknowledgment automation software bot, saving up to \$40,000 in respective time savings.

Machine Learning Visual Inspection (MLVI):

- Developed a Cognex MLVI solution saving over 8,700 hours per year, if implemented.

Education

George Fox University, BS - Newberg OR, USA

2022

Major: Computer Science | Major: Mathematics | George Fox Honors Program