LUKE SHEPHERD

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EDUCATION

Oregon State University – Bachelor of Science in Computer Science (**4.0 GPA**)   *Expected Graduation* **Dec 2026**
Relevant Coursework: Intro to CS I & II, Computer Architecture, Data Structures, Algorithms, Databases

University of Washington – Full Stack Web Development Bootcamp (**4.0 GPA**)   **Jan 2020 – June 2020**

TECHNICAL SKILLS & TOOLS

Languages: Go, Java, Python, TypeScript, SQL, NoSQL
Tools & Frameworks: AWS hosting, Terraform, Docker, Spring, Django, React, Redux, PostgreSQL, DynamoDB, Git

EXPERIENCE

Software Development Engineer Intern   **June 2025 – Sept 2025**
Remitly
- Developed Actionable Insights service hosted in **AWS** with a **DynamoDB** database and **Go** backend surfacing software policy violations with action items to **Slack channels** and an internal dashboard
- Designed and implemented a **React**-based internal dashboard with **Typescript** featuring robust search and filter functionality, **reducing time spent on policy violation report generation by 100%**

Full Stack Software Engineer   **Aug 2021 – June 2023**
BTTN Technologies
- Developed architecture review workflow, resulting in a **35% decrease in software bug rates** due to pseudocode optimization and improved documentation
- As project lead, designed and built a MERN-stack-based management system for over **1 million healthcare products** that included integrations with Shopify, Quickbooks, and Salesforce

PROJECTS

MTG Deck Builder | *Java*
- Created a deck builder in **Java** that allows users to build digital versions of 60-card Magic: The Gathering decks
- Catalogs users' Magic: The Gathering collections and **tracks daily financial changes** of individual card prices
- **Tools**: Spring, PostgreSQL, Docker, AWS, Terraform

Pentago | *Python*
- Developed a **Python** program modeling the game Pentago, a two-player strategy game played on a 6×6 grid
- Players take turns placing a marble and rotating one of four 3×3 sub-boards until a 5-in-a-row is achieved

Bestest Buy Bot | *JavaScript*
- Built an autonomous, headless purchase bot with **JavaScript** to compete with scalpers for high-demand products
- Enabled my purchase of an NVIDIA graphics card at MSRP, which **sold out in minutes**
- **Tools**: Node.js, Puppeteer, PM2

5sherpas | *JavaScript*
- Created a full-stack **JavaScript** application that generates suggestions for constructive activities based on personal development goals and tracks weekly progress
- **Tools**: MongoDB, Express.js, React.js, Node.js, Heroku