

Corbin Ainsworth

Full-Stack Software Engineer

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SUMMARY

Full-Stack Software Engineer with a strong foundation in backend systems and secure, scalable REST APIs. Experienced in OAuth 2.0 authentication and HTTP protocol. Practiced with test-driven development (TDD) and collaborative agile teams. Driven to contribute to enterprise-scale, user-centric security solutions at Ping Identity.

TECHNICAL SKILLS

Languages: Go, Java (foundational), JavaScript, TypeScript, Python, SQL, HTML5, CSS3

Backend: Node.js, Express, Flask, Django/DRF, PostgreSQL, RESTful APIs

DevOps & Tools: Git, Docker, CI/CD, Agile, Linux

Security & Protocols: OAuth 2.0, HTTP, TLS (basic)

Testing: Test-driven development (TDD), automated testing (Pytest, Jest, Cypress)

EXPERIENCE

Frontend Developer

Feb. 2025 - Present

Innovative Health Solutions

Remote

- Developed pixel-perfect React interfaces that reduced design implementation time by 30% while achieving 100% fidelity to design specifications across all devices
- Created a reusable component library that decreased development time for new features by 40% and improved visual consistency by standardizing 25+ UI elements
- Implemented optimized API integration that reduced data loading times by 45% and decreased frontend error rates by 20%
- Collaborated with designers to translate complex healthcare workflows into intuitive interfaces, resulting in a 35% increase in user task completion rates

Web Developer / Full-Stack Developer (Short-Term Contract)

Sep. 2024 - Nov. 2024

IotaLabs

Remote

- Developed responsive interfaces that improved mobile user engagement by 25% while maintaining semantic HTML structure that boosted SEO performance by 30%
- Implemented custom CSS solutions that reduced bundle size by 15% while supporting complex UI components across 5 different browsers
- Reduced user search abandonment by 22% through innovative frontend workflows; established coding standards for rapid, reliable releases.

Lead Developer

May 2024 - June 2024

Recipe Rendezvous - Modern Recipe Sharing Platform

Independent Project

- Developed a containerized backend API using Docker, implementing secure authentication (OAuth 2.0, HTTP) and following security best practices in RESTful design.
- Designed and optimized SQL database schemas for complex data relationships, focusing on query performance and data integrity.
- Built automated testing and deployment workflows, gaining Linux and cloud experience
- Built and integrated secure RESTful APIs, applying OAuth 2.0 and HTTP standards to ensure robust authentication and safe data transfer.

Full-Stack Developer

2024 - Present

Shiori - Japanese Learning Application

Independent Project

- Engineered a comprehensive Space Repetition System (SRS) based on Anki algorithms that dynamically adjusts review schedules, reducing learning time by an estimated 25% compared to traditional methods.
- Developed an AI-powered conversational tutor using OpenAI Realtime API with custom prompt engineering for personalized vocabulary practice
- Used TDD in backend feature development, delivering reliable releases by writing and maintaining automated tests with each change.
- Collaborated with teams and product managers to translate requirements into functional code within agile sprints.

EDUCATION

AppAcademy

Remote

Software Engineering Bootcamp - Full-Stack Development

2023 - 2024