

Seongbin (Aiden) Yoon

Software Engineer (Backend) | Rust, Python, Auth APIs & AWS

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SUMMARY

Backend engineer with 4 years building secure, high-availability services: REST APIs and microservices in Python, Node.js, and Go, with working comfort in Rust and TypeScript; OAuth/JWT-based auth flows; event-driven pipelines on PostgreSQL and Redis; infrastructure as code and containerized deployments on AWS and Azure. Ships frequently within strict reliability requirements, and uses AI coding agents (Claude Code, Cursor, Codex) daily.

WORK EXPERIENCE

Systems Developer (DevOps) at Co-operators

SEP 2022 – PRESENT

- **Secure API Services:** Designed and operated REST APIs and microservices with OAuth/JWT auth flows, clean versioned contracts, and structured monitoring, holding 99.9% uptime on containerized deployments.
- **High-Availability Pipelines:** Built an IBM MQ event-driven ingest microservice processing 1,000+ daily audit events with Datadog observability, plus a Python credential-rotation pipeline on HashiCorp Vault cutting manual credential work 80%.
- **Infrastructure as Code:** 4 years of Terraform with Docker, OpenShift, Kubernetes, and AWS/Azure; led a 100+ repo Bitbucket-to-GitHub migration ahead of schedule with an 18% CI/CD efficiency gain and cut infra costs 50% through container-based transitions.
- **AI Systems in Production:** Shipped a zero-to-one Azure OpenAI agent-based analyzer with multi-turn LLM tool calls and a production log-triage LLM service summarizing 1,000+ daily entries with hallucination checks and graceful fallbacks.
- **CI/CD & Testing:** Cut manual operational work 40% with Python-based Jenkins/GitHub Actions and Playwright pipelines across product teams.

Frontend Engineer at Grepp Inc.

APR 2022 – JUN 2022

- **React Component System:** Cut UI regression-bug escape rate 40% by shipping reusable React components and a React Testing Library CI harness.
- **Consumer-Facing Frontend Launch:** Launched a new consumer-facing frontend 20% ahead of schedule in agile sprints.

Software Engineer Intern at Hyundai Welding

JAN 2022 – FEB 2022

- **Real-Time Platform (Python/Go + React):** Built a real-time vessel-telemetry platform ingesting 1,000+ data points/sec from edge devices over high-latency satellite links; benchmarked 6 network protocols for high-availability streaming.

Software Engineer Intern at ITNJ

JUL 2021 – DEC 2021

- **Production Frontend Replatform:** Cut page load time 55% by replatforming legacy Java-servlet products onto React + Spring Boot.

PROJECTS

AI OCR Translator translator.kimchigoose.com

CHROME EXTENSION · REACT / TYPESCRIPT · VISION LLM

- Built a Manifest V3 Chrome extension that OCR-and-translates any on-screen region in one step, with a Vision LLM path and a Tesseract.js offline fallback across 32 languages.

AI Interior ainterium.sbyoon.com

GENERATIVE-AI APP · FLUTTER · SELF-BUILT BACKEND | NOV 2025 – FEB 2026

- Building (pre-launch) a Flutter generative-AI room-redesign app, backed by a self-written dual-cloud backend (PostgreSQL + Redis on Docker, Cloudflare Workers + D1) behind a shared REST contract.

EDUCATION

University of Ulsan B.Eng. Information Technology

2022

SKILLS

BACKEND

Rust, Python, Go, Node.js, TypeScript, REST APIs, Microservices, gRPC

SECURITY & DATA

OAuth, JWT, HashiCorp Vault, PostgreSQL, Redis, MongoDB, SQL

CLOUD & INFRA

AWS, Azure, Docker, Kubernetes, OpenShift, Terraform, CI/CD (Jenkins, GitHub Actions), Datadog

AI / FRONTEND

Azure OpenAI, LLM Agents, Prompt Engineering, React, JavaScript

CERTIFICATIONS

Deep Learning Nanodegree (Udacity, 2021) · Career Essentials in Generative AI (Microsoft / LinkedIn, 2024)