

PROFESSIONAL SUMMARY

SWE with 5 years in backend and full-stack development. Skilled in solving business problems with cloud services using TypeScript & Node.js with Next.js & React.js. Strong collaborator passionate about building robust, impactful and innovative software solutions.

WORK EXPERIENCE**Senior Software Engineer, A-Mark Precious Metals**

2023 – June 2024

Los Angeles, CA (remote) – [manager/reference](#) – tech stack: C# .NET Framework, Pub/Sub architecture via ServiceBus

- ◆ Upgraded on-prem data transfer layer of .NET Framework web app to Azure ServiceBus, enhancing maintainability
- ◆ Introduced functional tests for Azure ServiceBus, improving system robustness and coverage
- ◆ Integrated changes into Windows services and front-end portal, ensuring seamless functionality across C# codebase
- ◆ Removed obsolete dependencies, migrated to internal NuGet feed via CI/CD, streamlining dependency management
- ◆ Verified and debugged front-end application to ensure a smooth user experience post-upgrade
- ◆ Created deployment scripts and instructions, developed a comprehensive production cut-over timeline as a Gantt chart

Backend Software Engineer II, Dr. Squatch

2021 – 2023

Los Angeles, CA (remote) – [manager/reference](#) – tech stack: TypeScript + AWS / serverless

- ◆ Built and owned back-end microservices and APIs for various business use-cases within post-order processing
- ◆ Connected custom delivery data with Klaviyo to support personalized email campaigns
- ◆ Conducted dynamic order insert retention experiments to improve customer retention
- ◆ Developed Slack-integrated observability service, reducing errors from hundreds daily to ~3 per week
- ◆ Utilized Shopify GraphQL APIs, Recharge Subscriptions REST API, SQL, and Serverless Framework in TypeScript
- ◆ Executed tasks using serverless infrastructure: AWS Lambda, SQS Queue, EventBridge, SES, DynamoDB
- ◆ Scripted through hundreds of thousands of orders to automate and fix issues, saving significant manual effort
- ◆ Collaborated cross-functionally with Fulfillment and CX teams to ensure smooth project execution

Software Engineer I, Principle Development Group Consulting (PDGC)

2020 – 2021

Los Angeles, CA (remote) – [manager/reference](#) – tech stack: Go, Java Spring Boot, Kafka, Couchbase

- ◆ Worked on a team of 7 engineers to migrate AT&T/DirecTV satellite metadata push systems from legacy platforms (Java Spring + MySQL with Hibernate ORM) to AWS Kubernetes based infrastructure (Go + Kafka + Couchbase)
- ◆ Implemented Golang microservices that ingest television programming metadata (guide schedules, shows, movies, celebrities, VOD content) to be prepared for satellite delivery to DirecTV customers nationwide
- ◆ Built Kafka streaming applications to horizontally scale the ingestion of approximately 3 million guide listings, 200k programs, and 200k celebrity data objects for data mapping and delivery, utilizing NoSQL Couchbase with NQL via indexing
- ◆ Developed extensive unit testing suites for both Golang and Java Spring Boot services (including mocking)
- ◆ Upgraded various (Golang and Java) DirecTV microservices for compliance and deployed the new versions to production
- ◆ Built a Golang microservice for delivering XML- and JSON-formatted set-top-box device features as part of an initiative for scheduling remote bookings (like recording shows) to support newer ways of booking, along with legacy methods

Cloud Full Stack Developer / Solution Engineer, Oracle

2018 – 2020

Santa Monica, CA (in-office) – [manager/reference](#) – tech stack: TypeScript, and others

- ◆ Built proof-of-concept (MVP) apps to demonstrate how Oracle Cloud PaaS/IaaS could be used in certain business use cases
- ◆ Developed a [full-stack Swift app](#) (using token auth, BCrypt hashes), and integrated it with OCI Compute using Docker
- ◆ Gamified a [React Native app](#) by building [comment/rate](#) (Mobile Hub), [chat](#) (WebSockets), and [recommend](#) μ-services
- ◆ Stress-tested a SQL database for a customer by writing a [Python script](#) that inserts numBytes of CLOBs
- ◆ Built a front-end [React + Redux web-application](#) to visually code digital assistant YAML, improving dev UI/UX
- ◆ Used Python to demo how to [stream real-time temperature data](#) from Streaming API to object storage (for BI use cases)

SWE Internships in Node.JS: Video Genome Project, Santa Monica, CA (in-office)

Summer 2015, Summer 2016

SKILLS = { **Languages:** TypeScript, JavaScript/Node.js, C#, Go, Java, Python, BASH (and CLI tools), PowerShell, [some Rust](#)
Frameworks: React.js (HTML, CSS) + Next.js, Nest.js, Spring Boot, Express, Flask, FastAPI, JUnit/Jest, Prisma
Data Systems: SQL, NoSQL, Kafka, SQS Queue, DynamoDB, AWS Lambda, Kubernetes, MongoDB
Concepts: OOP, SOLID, Caching, System Design, [Gen AI](#) }

EDUCATION**University of Illinois at Urbana-Champaign**

Bachelor of Science in Math and Computer Science December 2017

CERTIFICATES

Triplebyte Certified SWE Generalist



Oracle Cloud Infra. 2018 Certified Architect Associate