

PROFESSIONAL SUMMARY

Full-Stack Software Engineer (TypeScript + AWS | Experimenting with: React, Go, Rust), CS degree

WORK EXPERIENCE**Backend Software Engineer II, Dr. Squatch Soap Co.**

2021 → February 2023

Los Angeles, CA (officially hybrid, actually remote) – [manager/reference](#)

- Built and owned several back-end microservices and APIs for various business use-cases, ranging from: post-order processing (eg, order transformations, SKU updates), connecting custom delivery data with Klaviyo to support custom emails, several dynamic order insert retention experiments, Slack-integrated engineering-events [observability service](#) (brought down 100s of errors a day to ~3 in a week)
- Utilized [Shopify Admin GraphQL API](#), Recharge Subscriptions REST API, AWS Dynamodb API, and Klaviyo Metrics API, SQL, executed via serverless infrastructure (AWS Lambda, AWS SQS Queue, AWS EventBridge, AWS SES), in cross-functional collaboration with stakeholders on the Fulfillment and CX teams
- Scripted through 100k's of orders that otherwise would've needed manual fixing (both automated and ad hoc)
- Daily Tech Stack: TypeScript (Node.js, ESNext), Serverless Framework (AWS-deployed microservices), SQL, ESLint, Git, [lib](#)
- Daily Routine: Two week sprints, Jira ticket management, GitHub repos, Zoom meetings, Slack conversations/updates

Software Engineer I, Principle Development Group Consulting (PDGC)

2020 → 2021

Los Angeles, CA – [manager/reference](#)

- Worked on a team of 7 engineers to migrate AT&T/DirecTV satellite metadata push systems from legacy platforms to AWS Kubernetes based infrastructure
- 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
- 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 – [manager/reference](#)

- 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 movie 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)

Software Engineer Intern (Node.js), Video Genome Project (VGP, later acquired by Hulu)

Summer 2015, Summer 2016

Santa Monica, CA – [manager/reference](#)

- Leveraged Node.js (Cheerio, Lodash, Async), PostgreSQL, and BASH to perform ETL for a B2B movie analytics platform
- Wrote and deployed microservice web scrapers (JavaScript) that parsed and cleaned movie review listings
- Repaired ~15 AWS EC2 linux machine states due to memory (no swap files, inefficient closure usage) or other RT errors
- Built a Casper.js crawler to log into a social networking website and scrape news data for the daily news dashboard
- Exhaustively tested my Git branch on a clean server environment, then merged locally and created pull requests

SKILLS = { **JavaScript**: [TypeScript, ES6, Node.js, React, Next.js, Nest.js, Flow, Express, JSON, JQuery], **API**: [REST, GraphQL], **Cloud**: [AWS (Lambda, SQS, DynamoDB, SES, EC2, S3), Nginx, BASH, Docker], **Data**: [SQL, NoSql, DynamoDB, MongoDB, ORM], **Quality**: [SOLID, OOP, FP, Jest, Cypress, Mocha/Chai], **UI**: [HTML, CSS (Flexbox, Grid), styled-components, responsive design], **Tools**: [Webpack, Babel], **State Management**: [Redux, Git], **SecondaryLanguages***: [Python, Go, Rust] }

SecondaryLanguages: languages I can write basic scripts in, including high-level algorithm/interview problems***EDUCATION****University of Illinois at Urbana-Champaign**

Bachelor of Science in Math and Computer Science December 2017

CERTIFICATES

Triplebyte Certified Software Engineer Generalist



Oracle Cloud Infra. 2018 Certified