

Travis Stinebaugh

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SUMMARY

Dedicated and results-oriented Software Engineer with extensive experience in backend development, software testing, and code analysis. Currently, an AI Prompt Engineer, reviewing code generated by new LLMs to enhance clarity and accuracy. Previous roles at Warner Brothers Discovery and Infoblox have honed expertise in designing and implementing scalable services on AWS, optimizing SQL queries for improved performance, and leading migration projects to enhance system scalability and efficiency.

Adept at writing services in numerous languages including Typescript, Golang, and Python, with a proven track record of delivering high-quality code and driving testing-driven development. Skilled in collaborating with cross-functional teams, leading project migrations, and championing innovative solutions to complex technical challenges. Holds a Bachelor's degree in Computer Science from the University of Washington.

Passionate about continuous learning and professional development, with the recent completion of a Fullstack Open Course from the University of Helsinki, mastering technologies such as React, Redux, Nodejs, and MongoDB. Possesses strong communication skills and a commitment to delivering exceptional results in fast-paced, dynamic environments.

PROFESSIONAL AND TECHNICAL SKILLS

- 4+ years of experience as a Backend engineer, architecting, creating, and testing highly scalable distributed systems writing code in Golang, TypeScript, Python, Java, and Ruby on Rails
- Experience in Frontend application development, using HTML, CSS, React, Redux, and Next.js
- 4+ years of experience performing software testing, including unit tests, functional tests, integration tests, UI tests, black box tests, load tests, and manual tests in Jest, Selenium, PyTest, Mocha, Cypress, and unittest
- 5+ years of experience with microservice and containerization services, such as Docker and Kubernetes
- 3+ years of building and testing serverless architecture with AWS Lambda and Step Functions
- 6+ years of experience with PostgreSQL (SQL) optimization, including advanced joins and stored procedures
- 4+ years of experience with cloud technologies and cloud service providers including Amazon Web Services and GCP
- Experience with AWS services including Lambda, RDS, EC2, ECS, EKS, Step Functions, CloudWatch, CloudTrail, S3, IAM, VPCs, DynamoDB, API Gateway, SQS, ElastiCache, Secrets Manager, and CloudFormation
- Experience with DevOps CI/CD pipelines including Pulumi, Jenkins, Github Actions
- Experience with Infrastructure as Code (IaC) services such as Pulumi, Terraform, and Helm
- Well-versed in metrics and monitoring including DataDog, Grafana, Prometheus, Graylog, Splunk, Loggly, Kibana
- Experience with REST, WebSockets, and Protobuf API development
- Expertise in collaborating with cross-functional teams, both in-office and remotely, including international teams
- 4+ Years of experience managing on-call rotations with tools such as PagerDuty
- Experience with A/B testing and feature flagging using in-house solutions and LaunchDarkly
- Substantial experience in Agile work environments and Agile methodologies
- Additional experience: git, GitHub, Linux, Unix, shell, bash scripting, macOS, Windows

EXPERIENCE

Outlier.ai | Freelance AI Prompt Engineer & Code Reviewer

Jan 2024 – Present

- Enhanced code accuracy by analyzing and reviewing code generated by LLMs in Python (including NumPy, Pandas, and Matplotlib), JavaScript, Java, React, and C++
- Created challenging prompts to induce defects in LLM-generated code, providing RLHF to new LLMs, ensuring model improvements and customer satisfaction

- Leveraged prompt engineering to increase the technical correctness of code generated by up to 30%

Warner Brothers Discovery (Formerly Discovery) | Software Development Engineer I & II Nov 2019 – Aug 2022

- Helped write the 0-to-1 metadata ingestion pipeline for the first iteration of Discovery's D2C video delivery platform using TypeScript, and PostgreSQL on AWS, using Pulumi for IaC and Jest for unit, functional, and e2e tests.
- Converted to a highly scalable microservice-based architecture written in Golang which supported 25+ regions of Discovery+ with a highly redundant, fault-tolerant data pipeline for new content ingestion.
- Improved code quality and test coverage by championing a test-driven development in new feature work.
- Became subject matter expert in Rollups service; Simplifying operations and optimizing PostgreSQL queries to reduce execution time by 10x from 15 minutes to ~90 seconds.
- Improved operational excellence by designing and creating episode re-parenting API, reducing support tickets by 30%.
- Worked with cross-functional teams around the globe to support content ingestion issues surrounding our API, in addition to troubleshooting, debugging, and deploying services to Kubernetes as part of on-call rotation.

Infoblox | Software Engineer

Sep 2018 – Nov 2019

- Implemented Okta SSO authentication service with JWTs in Golang with Redis cache, improving security and reducing authentication time by 20% over legacy Ruby on Rails code.
- Improved customer account API response time by 300% by optimizing SQL queries and migrating from Ruby to a Golang microservice, including Docker for containerization and Kubernetes for orchestration.
- Improved click-through rate by 20% by redesigning HTML email templates and associated controllers in Ruby on Rails to add more customer-specific data and enhance readability.
- Created, managed, and participated in on-call rotations for mission-critical systems (including authentication service) leveraging PagerDuty and custom metrics for alerts.

Infoblox | Software Test Engineer

Sep 2017 – Sep 2018

- Increased automated test coverage from 0% to 90% by creating automated end-to-end tests for RPZ content delivery system using PyTest, Jenkins, and Python.
- Created a CI/CD pipeline in Jenkins using Selenium and PyTest to reduce UI bugs by 50%.
- Performed load testing via AWS Lambda to simulate 10k concurrent connections to RPZ content delivery service.
- Boosted GUI test coverage from 0% to 40% by designing GUI tests with PyTest and Selenium WebDriver.
- Worked with customer support teams to quickly triage and address system issues, and drive effective cross-functional collaboration between support engineers and developers for timely bug resolution.
- Learned manual Kubernetes deployments and administration (and later Helm charts and AWS CloudFormation) to help assist the DevOps team as needed with infrastructure improvements.

EDUCATION

University of Washington

June 2017

Bachelor of Science in Computer Science & Systems

3.57 GPA

Relevant Coursework: Data Structures & Algorithms; Compilers; Mobile App Development; Advanced Programming Principles in Java, Python, C, Prolog, and R; Computational Photography; Artificial Intelligence & Machine Learning

PROJECTS

Golang date Package Contribution | Golang | 2021-2022

[GitHub Repo](#)

- Contributed to open-source libraries by adding a configurable decimal precision in date package which was needed at Discovery but did not exist in Golang

Fullstack Open Course, University of Helsinki | 2022-2024

[GitHub Repo](#)

- Learned the MERN stack (MongoDB, Express.js, React, Next.js) to create Progressive Web Apps (PWAs) and Single Page Apps (SPAs)
 - Also learned Jest, Mocha, Cypress, Redux, GraphQL, and React Native.
 - Gained additional insight into Typescript, node.js, HTML, CSS, CI/CD, and relational databases