

Andrus Taylor

Senior Software Engineer

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📄 PROFILE

Innovative software engineer with a **decade** of proven expertise in designing **robust architectures** and spearheading the development of **highly-scalable** applications and services. Specializing in **backend-heavy** full stack engineering, I have consistently delivered cutting-edge solutions that **optimize performance**, **elevate user experiences**, and **drive business growth**. My proficiency spans multiple languages including **Golang, Ruby, Java, Python, Rust**, and **JavaScript / TypeScript**, enabling me to engineer solutions that seamlessly blend technology stacks for maximum efficiency.

🧠 SKILLS

Golang

Expertise in designing scalable back-end services

Python

Experience in scripting and web services

AWS

ECR, EC2, EKS, S3, DynamoDB, Redis

Ruby

Proficient in Rails and scripting

Javascript & Typescript

React, Next, Vue, Angular frontend and Node.js backend development expertise.

GCP

Firebase, GCloud, GKE

Java

Skilled in building robust, enterprise-level applications

Databases

PostgreSQL, MongoDB, MySQL

CI-CD & DevOps

Github actions, Gitlab, Terraform, Docker, Kubernetes

🎓 EDUCATION

10/2008 – 10/2012
Orem, UT, USA

Information Systems - Application Development Emphasis, B.S.
Utah Valley University 🌐

👜 PROFESSIONAL EXPERIENCE

01/2020 – 01/2024
Atlanta, GA,
United States

Gad AI 🌐

Lead Backend Engineer / Go (Golang) Lead Engineer

- Spearheaded the design and development of high-availability services, ensuring consistent uptime and optimizing system performance.
- Upgraded the existing backends built in REST approach to gRPC services and converted monolithic into several microservices in Go(Golang).
- Integrated Salesforce CRM with internal systems using custom APIs and middleware solutions, streamlining business processes and enhancing data consistency.
- Integrated hubstaff chat with Slack chat for the customer-success team can easily communicate with the company product users.
- Updated chatbot of websites and products by integrating with OpenAI APIs.
- Built microservices using Nest.js (Node.js) and integrated with APIs built in Go(Golang) in event-driven architecture.
- Led a cross-functional team in adhering to best practices in Go(Golang) and Python, fostering collaboration and knowledge sharing.

- Demonstrated RabbitMQ's strengths in reliable message delivery and complex routing, suited for applications with a need for robust inter-service communication and task queuing in a microservice architecture.
- Converted backend built in microservice architecture using Nest.js to Java SpringBoot backend and empowered the traffic between microservices using Apache Kafka.
- Built secured core parts of an automatic caching machine, communication protocols in Rust.
- Maintained and updated a GraphQL layer to allow retrieval and updates of user interactions with PostgreSQL database.
- Managed large-scale migrations from relational databases to Cassandra, improving scalability and performance.
- Implemented backup and disaster recovery strategies for Cassandra data stores, significantly reducing the risk of data loss.
- Built finishing and camping booking system using Ruby on Rails, React and PostgreSQL.
- Collaborated closely with front-end teams to achieve seamless integration using JavaScript & TypeScript (Next.js or Vue.js and React), prioritizing user-centric services.
- Pioneered the use of MongoDB's GridFS for storing large multimedia files, simplifying the management of over 10 TB of data and enhancing the user experience for our content-sharing platform.
- Trained a team of 15 developers on MongoDB best practices, enhancing team productivity and database management efficiency.
- Successfully migrated legacy platforms to modern architectures, enhancing scalability and maintainability while minimizing disruption.
- Implemented continuous integration and deployment (CICD) methodologies, streamlining the development process using Docker, Kubernetes Github actions, AWS ECR, EC2 and EKS.
- Proficiently employed AWS cloud technology to enhance platform scalability and performance.

06/2017 – 12/2019
Vienna, Virginia,
United States

Mindtree

Senior Platform Engineer

- Played a pivotal role in driving the company's transition toward scalable platform solutions, becoming a core member of the platform development initiative.
- Led the integration of Salesforce CRM with enterprise applications, contributing to a 20% increase in operational efficiency.
- Developed robust microservices in Go(Golang), ensuring resilient and scalable performance to accommodate dynamic growth.
- Built RESTful APIs using Gin-Gonic | Go Echo | Gorilla-Mux packages in Go(Golang) and used mongo-driver and pq/sql packages for accessing no-sql and sql adatabase.
- Improved the internal streaming communication using Apache Kafka for database proxy service development.
- Built streaming services using gRPC and protobuf in Golang in microservice architecture especially in even-driven architecture.
- Introduced containerization practices, streamlining deployment processes and reducing system overhead using Docker, Kubernetes and Github actions.
- Led a project to migrate from a traditional RDBMS to Neo4j, which reduced data redundancy and improved data integrity while handling over 2 million nodes and relationships.
- Engineered a fraud detection system with Neo4j that leveraged graph algorithms to detect anomalous patterns, decreasing fraudulent activities by 50%.
- Optimized existing MongoDB queries and indexes, leading to a 35% reduction in latency for our social media analytics platform.
- Designed and implemented robust data models and schemas in MongoDB for a real-time analytics application, handling over 1 million user events per day.
- Maintained and updated unit and integration tests for both the GraphQL and lib level to validate behavior.
- Helped UI/UX and frontend development team for building frontend pages using Next.js and React.

- Empowered backend part built in Ruby using Ruby on Rails by using RSpec for profiling and monitoring.
- Collaborated with infrastructure teams to optimize cloud resources, resulting in reduced operational costs and improved efficiency using Terraform, etc.

04/2015 – 05/2017
Boston, MA,
United States

SumatoSoft

Full Stack Developer

- Integrated Ruby and Java into the tech stack, enhancing development cycles and application responsiveness.
- Developed complex web applications using Go(Golang) and Ruby, working closely with UI/UX teams to deliver superior user experiences.
- Championed best practices in JavaScript & TypeScript (React, Next, Node.js), improving code maintainability and front-end performance.
- Mentored junior developers, facilitating their growth and ensuring code quality across projects.
- Implemented MongoDB Atlas for cloud-based database management, reducing infrastructure costs by 25% while maintaining high performance and security standards.
- Designed and deployed a highly available Cassandra database cluster, ensuring 99.99% uptime for critical applications.
- Optimized Cassandra data models and queries, resulting in a 20% reduction in response times for high-traffic applications.
- Used AWS S3 buckets for distributed store and EC2 and ECR for deploying services to the cloud.
- Collaborated with the backend team to design, define, and implement GraphQL types and resolvers to provide the necessary data for frontend development while maintaining minimal calls to the database
- Built RESTful APIs using microframeworks and routing packages in Go(Golang) and integrated with third-party APIs built using Ruby on Rails, Java (SpringBoot) and Node.js (Express.js).

10/2012 – 03/2015
Arlington Heights, IL,
United States

WEZOM

Software Engineer

- Developed interactive web and mobile applications using Go(Golang) and JavaScript, consistently delivering high-quality solutions.
- Implemented Python scripts to automate tasks, reducing manual work by 30% and increasing operational efficiency.
- Used Docker for containerization and Github actions for managing the CICD pipelines.
- Collaborated with cross-functional teams to design a Cassandra schema that supports multi-terabyte datasets with minimal latency.
- Developed custom CQL scripts for data manipulation and reporting purposes, enhancing data accessibility for the analytics team.
- Built the backend part of internal tools for development management of the company using Express.js in Node.js, microframeworks and routing packages in Go(Golang) and PostgreSQL.
- Collaborated effectively in cross-functional teams, meeting project milestones and exceeding performance benchmarks.

INTERESTS & SELF-DEVELOPMENT

Actively engaged in blockchain communities and self-study in Ethereum smart contract development. Regular participant in webinars and workshops on cryptography and blockchain technology.