Justin Antinarella

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Senior backend engineer with experience building scalable, high-performance systems. Specializing in Go microservices architecture with extensive experience in database technologies, distributed systems, and cloud infrastructure. Demonstrated success in both technical leadership and hands-on development roles across a diverse set of industries.

WORK EXPERIENCE

Aescape   2024 – Present
Staff Backend Engineer

- Developed backend software enabling customers to book and pay for autonomous robotic massage sessions.
- Designed a system to allow customer support agents to monitor and troubleshoot robotic massage devices in the field.
- Integrated Stripe payment processing for secure transactions, refunds, and discounts.
- **Technologies used: Go (Golang), Gorm, Gin, SQL, PostgreSQL, Stripe, Docker, AWS, APIs, Microservices, Sentry**

Tarsal   2023 – 2024
Founding Engineer

- Built a secure, scalable webhook data pipeline using AWS serverless technology to ingest and process security log messages. Deployed as infrastructure as code (IaC).
- Wrote integrations for third-party vendors like Okta, Zoom, and Microsoft 365 to enable single sign-on capabilities and ingest security log messages.
- Developed a Go microservice backend using the CQRS pattern to allow linking integration sources and destinations, enabling end users to set up security log data pipelines.
- **Technologies used: Go (Golang), Watermill, GORM, Postgres, API Gateway, AWS Lambda, AWS RDS, AWS Kinesis, AWS CDK, API Integrations, AirByte**

Massive   2021 – 2023
Lead Backend Engineer

- Built a platform that allowed job seekers to discover and land exciting employment opportunities. To achieve that, I built a greenfield Golang backend that imports company data and aggregates live job opportunities. I implemented a matching algorithm to pair job seekers with opportunities. I managed the data store, payment processing, security, and infrastructure. I also engaged in QA, frontend, and product tasks as needed or when time allowed.
- **Technologies used: Golang, Echo, React, SQL, Microservices, GraphQL, REST, ETL APIs, Postgres, GCP, Supabase, JWT, Stripe**

Weave   2018 – 2021
Engineering Manager, Integrations

- 70/30 split between IC work and management (people and technical). Provided conflict resolution, performance management, career guidance, and hiring support for a team of seven. I was responsible for technical product decisions, team tasking, coordination with other teams, performance reviews, and performance improvement plans.
- Built Integrations for extracting patient data from both cloud API and on-prem data sources.
- **Technologies used : Golang, PostgreSQL, SQL, GraphQL, GRPC**

Senior Backend Software Engineer

- Built an analytics package for dentists that allowed customers to recapture tens of thousands of dollars per month. To achieve that, I implemented an ETL data pipeline written in Go (Golang), loaded data into a star schema, sharded Postgres database, and wrote Analytics SQL queries to extract value for customers.
- Scaled the analytics product to $4.5 million in ARR.
- **Technologies used : Golang, PostgreSQL, SQL, GraphQL, gRPC**

Sorenson Media   2017 – 2018
Senior Software Engineer

- Designed and deployed infrastructure for dynamic ad replacement on live TV.
- Implemented a high-performance in-memory datastore and messaging queue system.
- Configured and automated deployments using Infrastructure as Code (IaC) in AWS.
- **Technologies used: Distributed Systems, Go (Golang), Redis, Cassandra, Zookeeper, Kafka, Avro, Check.v1, Chef, AWS**

Rakuten Advertising   2016 – 2017
Senior Software Engineer

- Developed tracking and attribution software to optimize marketing effectiveness for clients.
- **Technologies used: Golang, Apache Bench (ab) , Vegeta, Angular 2, Milligram**

Backcountry   2014 – 2016
Full Stack Software Engineer

- Built merchandising systems to help buyers find, buy, and sell outdoor sports equipment on an e-commerce platform.
- **Technologies used: Java, Spring, JavaScript, AngularJS, Bootstrap, Node.js**

Ntrepid LLC   2011 – 2014
Software Engineer

- Built a machine learning system to translate foreign language databases.
- **Technologies used: Java, H2, BoneCP, MigLayout, SQL, H2 DBMS, MySQL, Ant, JUnit**

Intelligent Automation   2008 – 2010
Software Engineer

- Built an aviation route planning system and a military education and training system.

Freddie Mac   2004 – 2008
Programmer

- Provided production support for mortgage-backed securities systems.

EDUCATION

Bachelor Of Science in Computer Science
James Madison University   2000 - 2004

Obfuscation Techniques for Protecting Rule-Based Agents. 2005

International Journal of Computers and Their Applications

SKILLS

Amazon Web Services, Angular Web Framework, Apache Avro, Apache Bench, Apache Cassandra, Apache Kafka, API, AWS, AWS CDK, Bootstrap, Continuous Delivery, Database Clustering, Database Management System, Distributed Computing, Echo, ETL, Firebase, GCP, Gin, Go, Golang, Gorm, GraphQL, Groovy Language, gRPC, High Availability, Integrations, Java, JavaScript, JUnit, Microservices, MySQL, Payment Processing, Performance Management, PostgreSQL, Product Development, Redis, REST, Software Design, Software Development, Software Engineering, SQL, Star Schema, Startup Experience, Stripe