

Andrew Tony King

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Golang Developer

With **10+** years of experience in software development, I have successfully developed **RESTful APIs**, improved server response times by **40%**, and reduced data retrieval times by **35%**. Leveraging **Golang**, **GRPC**, and **Kubernetes**, I enhanced application performance and **scalability**, resulting in significant **efficiency** gains in just a few years.

Experienced in **AWS**, **Docker**, **Kubernetes**, and **microservices** environments. Proficient in concurrency, data movement, automated testing, and debugging in cloud systems. Experienced in **Rust**, **C**, **C++**, **machine learning**, **AI**, and **IoT** solutions.

WORK EXPERIENCE

Golang Developer

IBM • 04/2020 – 01/2024

Armonk, NY, USA

- Developed 10 projects by building RESTful API in Go using popular routing packages and microframeworks like Gin, Chi, and Beego.
- Enhanced service functionality and scalability by transitioning from HTTP/2 to HTTP/3, using GRPC and RPC, and integrating load-balancing capabilities, reducing server response times by 40%.
- Developed microservices for serving medical data stored in AWS S3 buckets, utilizing MongoDB and SQL databases, improving data retrieval times by 35%.
- Implemented front-end components of internal services using Go Templates, increasing efficiency by 20%.
- Enhanced CI/CD for Golang and Kafka applications by 50% through the implementation of Docker and GitHub Actions for streamlined deployment.
- Increased service stability and accuracy to 95% by writing unit tests and integration tests.
- Debugged and traced systems in AWS, improving system reliability by 30%.
- Leveraged Go routines and concurrency, enhancing processing speeds by 25%.
- Worked with multiprocessing environments and ensured smooth data movement within microservices.
- Utilized the ELK stack for log aggregation, reducing issue resolution times by 40%.
- Gained hands-on experience with Kubernetes for container orchestration.

Senior Backend Developer

Gem • 05/2016 – 02/2020

San Francisco, CA, USA

- Contributed to the development of 13 web and mobile applications, deploying 3 with a 5 member agile team.

- Built 70% of mobile application backends using RESTful APIs with Gin, Beego in Go, FastAPI in Python, and Ruby on Rails.
- Designed and implemented real-time data pipelines using Kafka for stream processing and data ingestion from various sources and Managed Kafka cluster health and performance using monitoring tools such as Prometheus, Grafana, and Kafka Manager
- Designed and implemented robust databases using SQL (PostgreSQL) and NoSQL (Cassandra, MongoDB) , optimizing for performance and scalability, resulting in a 30% improvement in query efficiency.
- Participated in the development of 2 portal sites, 3 platform sites, and 2 ECommerce platforms using the MERN stack and Beego frameworks, handling up to 10 million concurrent users.
- Led a team of 4 members, liaised with clients, and composed project architecture based on client requirements, increasing client satisfaction by 25%.
- Developed 50 pages for web and mobile applications using React and React Native.
- Utilized Kubernetes for container orchestration in a microservices environment, improving deployment efficiency by 40%.
- Implemented Go routines and handled normal concurrency, enhancing application performance by 30%.
- Applied defect management practices closer to Kanban, incorporating elements of Scrum across the ecosystem, increasing project completion rates by 20%.

Software Engineer

Invoca • 04/2014 – 02/2016

San Francisco, CA, USA

- Participated in developing 12 projects across social networking, crowdsourcing, technology brokerage, and healthcare domains.
- Implemented 100 pages from Figma designs into responsive Angular components, improving development speed by 35%.
- Collaborated with the backend team on architecture design and ensured effective client-server interaction, reducing integration issues by 30%.
- Worked closely with the UI/UX design team to ensure a seamless user experience with animations and pixel-perfect markup, enhancing user satisfaction by 25%, deployed 5+ Ecommerce platform using WooCommerce.
- Developed and deployed four web applications using the Java Spring Boot stack with my agile team, improving deployment efficiency by 30% through automated CI/CD pipelines and cloud deployment strategies.
- Contributed to the UX design process, improving overall design quality by 20%.
- Used support tools like the ELK stack for monitoring and log management, reducing debugging times by 40%.
- Familiar with tracking defects and management tools, ensuring efficient project workflows and increasing defect resolution rates by 30%.
- Worked in an Agile software engineering environment, adapting to iterative development and continuous feedback loops.

- Developed experience with machine learning and AI models, contributing to automated speech recognition (ASR) and audio product projects.

EDUCATION

Bachelors in Computer Science

Columbia University • GPA: 3.8 • 09/2009 – 10/2013

New York, NY, USA

- Majored in Computer Engineering

SKILLS

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|------------------------------|-------------------------|-----------------------------|
| • Agile Software Development | • gRPC | • ReactJS |
| • Amazon Web Services | • Integration Testing | • React Native |
| • Apache Cassandra | • JavaScript | • Redis Software |
| • Apache Kafka | • Java SpringBoot Stack | • REST API |
| • Artificial Intelligence | • Jenkins | • Ruby on Rails |
| • Cassandra | • Kanban | • Ruby Programming Language |
| • Continuous integration | • Kubernetes | • Rust |
| • Data Pipelines | • Machine Learning | • Software Deployment |
| • Django | • MEAN Software | • Speech Recognition |
| • eCommerce Software | • Microservices | • SQL |
| • ELK stack | • MongoDB | • Stream Processing |
| • FastAPI | • Network Protocol | • Team Development |
| • Flask Framework | • Next.js | • TypeScript |
| • Git | • Node.JS | • Unit Testing |
| • GitHub | • NoSQL | • Vue.js |
| • GOLang | • PostgreSQL | • WooCommerce |
| | • Python | |