Kevin Horan
Backend Software Engineer

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GitHub: https://github.com/kmhoran

Location: Los Angeles, CA

Summary

Results-driven Backend Software Engineer with nearly 10 years of experience designing and leading the development of scalable, cloud-native microservices. Proven track record in translating abstract product requirements into robust system architectures, driving teams to deliver high-impact solutions exceeding $1,000,000 in product value. Adept at system design, distributed computing, and optimizing backend performance for large-scale applications. Passionate about mentoring engineers and pushing the boundaries of modern backend technologies.

Technical Skills

- **Languages:** C#, Python, Java, Javascript, TypeScript, and more.
- **Cloud Platforms:** AWS (EC2, Lambda, S3, DynamoDB, RDS), GCP, Azure
- **Architectures:** Microservices, Event-Driven Systems, Domain-Driven Design (DDD)
- **Databases:** PostgreSQL, MySQL, Redis, Cassandra, MongoDB, Elasticsearch
- **DevOps & CI/CD:** Kubernetes, Docker, Jenkins, GitHub Actions
- **Messaging & Streaming:** Kafka, RabbitMQ, Pub/Sub
- **Scalability & Performance:** Distributed Systems, Load Balancing, Caching Strategies, High Availability

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Professional Experience

Software Development Engineer II | Amazon Prime Video, Culver City, CA

2021 – Present

- Lead a team of 5 engineers in architecting and deploying a microservices-based asset publication dashboard handling 50M+ updates per day, increasing on-time delivery of Prime Video assets by 40%.
- Spearheaded the migration from monolithic architecture to serverless microservices on AWS, reducing operational costs by 35%.
- Designed an event-driven architecture to optimize real-time publication statuses, enabling <1m response time for partner studio insights.
- Identified tech debt costing team $50,000/month and spearheaded deprecation effort across multiple teams.
- Recognized as a bar-raising mentor for our summer intern and several junior engineers.

Software Engineer | Beautycounter, Santa Monica, Ca

2018 – 2021

- Promoted from Junior to Senior Developer, managing the full-stack sales portal for 100K+ daily active users.
- Engineered and maintained the backend commissions engine, ensuring financial accuracy and reliability for international consultants.
- Designed and launched a sales dashboard that drove a 20% increase in average sales by enabling data-driven team management.
- Won the 2019 company hackathon by developing a machine-learning-powered product recommendation engine that boosted customer engagement.
- Led small teams and mentored junior developers, fostering best practices in scalable system design across a diverse tech stack (Azure, Google Cloud, C#, Node.js, React, Firebase).

Software Developer | Millennium Space Systems, El Segundo, CA

2017 – 2018

- Development of Software for the management of the Aerospace company. Everything from building UI rich, employee-facing features to architectural innovations behind the scenes.
- Angular JS, jQuery, ASP.Net, C#, MVC, WCF, Windows Services, HTTP, AJAX, JSON, Entity Framework, mss SQL server, TSQL, RabbitMQ, Git, TeamCity, Sass.
- Personally introduced and implement Angular JS. Personally introduced and implemented a distributed microservice architecture through DDD.

Education

BA - University of California, Irvine - 2013

Industry Expertise & Interests

- Distributed Systems & Cloud Computing
- High-Performance Backend Architecture
- Engineering Leadership & Mentorship
- AI/ML Infrastructure