

# ERIC BARBOUR

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## SUMMARY

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Staff Software Engineer with 8+ years of experience designing and building scalable distributed systems. Deep expertise in event-driven architectures, API design, and data infrastructure. Track record of leading technical initiatives from inception to production in regulated industries, reducing costs, and mentoring engineers.

## EXPERIENCE

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### **Fabric Insurance**

Oct 2024 – Present

#### *Engineering Manager*

Portland, OR

- Drove technical strategy and architecture decisions for a team of 7 engineers scaling a direct-to-consumer life insurance platform to new markets
- Owned system reliability and observability initiatives, establishing SLOs and incident response processes that reduced production incidents by 40%
- Led hiring and onboarding for 3 engineers, defining technical interview loops and mentoring senior engineers toward Staff-level contributions

#### *Staff Software Engineer*

Mar 2021 – Oct 2024

- Designed and implemented event-driven architecture using message queues for async policy processing, enabling horizontal scaling and improving system resilience
- Architected data pipelines and analytics infrastructure to support underwriting decisions, regulatory reporting, and business intelligence
- Led integration of third-party insurance carriers and reinsurance APIs, designing fault-tolerant patterns that maintained 99.9% availability
- Reduced infrastructure costs by 20% through query optimization, caching strategies, and right-sizing cloud resources
- Built personalized recommendation engine that increased offer-to-purchase conversion by 12%

### **WillowTree Apps**

Jun 2020 – Mar 2021

#### *Senior Software Engineer*

Charlottesville, VA

- Led architecture and technical direction for two greenfield full-stack applications from design through production launch
- Designed REST APIs and data models serving 50,000+ MAU with focus on security, scalability, and developer ergonomics
- Reduced AWS costs by 25% by profiling bottlenecks, optimizing database queries, and implementing caching layers

#### *Software Engineer II*

Jun 2018 – Jun 2020

- Built performant React and Vue applications for enterprise clients, championing accessibility and mobile-first patterns
- Designed CI/CD pipelines with automated testing and preview environments, reducing deployment cycles from days to hours

#### *Software Engineer*

Jun 2017 – Jun 2018

- Developed distributed e-commerce API in Go for a national grocery chain, designing for high availability and graceful degradation under load

## EDUCATION

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### **University of Virginia**

Charlottesville, VA

*Bachelor of Arts – Computer Science & Bachelor of Arts – Arabic Literature*

## TECHNICAL SKILLS

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**Languages:** TypeScript, JavaScript, Python, C#, Go, SQL, HTML/CSS

**Frameworks:** React, Vue, Node.js, Express, .NET Core, Next.js

**Infrastructure:** AWS (ECS, Lambda, RDS, S3), Docker, Terraform, GitHub Actions

**Practices:** Agile/Scrum, CI/CD, Code Review, Technical Design, System Architecture