

# Jason Baker

## Staff Software Engineer

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Full stack engineer with 20+ years building scalable, maintainable, highly-available, and user-friendly systems. Deep expertise in Java, Javascript, Objective-C, standards-compliant web engineering with Javascript and CSS, distributed systems, enterprise messaging, and relational databases. Track record delivering infrastructure at PayPal and Visa with a strong focus on performance, reliability, and close collaboration with product and design stakeholders.

### CORE TECHNICAL SKILLS

**Backend & Languages:** Java (Core, Concurrency, JDBC, J2EE, Spring, etc), Objective-C, NodeJS, PHP, bash, C#

**Frontend & Languages:** Javascript (Typescript, Angular2), CSS, HTML5 / XML, VB6 / VBA (20+ years ago), Bootstrap, JQuery, ApexCharts

**Architecture & Systems:** Microservices, Distributed Systems, Event-Driven Architecture, High-Availability Systems, Web Services / REST

**Databases:** PostgreSQL, MySQL, SQLite, SQL, Hibernate ORM, Relational Data Modeling

**Messaging & Integration:** JMS, JMX, ActiveMQ, IBM MQ, Apache Camel, Enterprise Integration Patterns (EIP)

**Infrastructure:** Kubernetes, Linux, Unix Scripting (bash), CI/CD, Git, Subversion

**Leadership:** Technical Mentorship, Engineering Principles, Pair Programming, Architectural Guidance

### KEY ACHIEVEMENTS

- Built and scaled systems managing 10,000+ messaging nodes across enterprise environments
- Delivered infrastructure supporting ~98% of PayPal global traffic
- Designed enterprise systems for Fortune 10 financial institutions
- Created TumbleOn (personal project), the #1 paid Tumblr app on iOS

### EXPERIENCE

#### HYTE Technologies, LLC | Staff Lead Engineer, Consultant

2013 - 2026

- Served as the sole staff engineer responsible for technical direction of the platform, advising the founding team on architecture and engineering strategy across the product lifecycle
- Architected and scaled a platform managing 10,000+ ActiveMQ instances, enabling enterprise customers to operate large-scale messaging systems with improved reliability
- Built Java-based backend services and APIs unifying 10+ versions of ActiveMQ, eliminating inconsistencies and simplifying integration across complex environments
- Designed hybrid messaging environments with deep IBM MQ integration for global clients
- Delivered performance and scalability improvements for high-concurrency, production-grade workloads
- Partnered with product stakeholders to define platform capabilities and prioritize features aligned with customer and business needs
- Led architectural decisions improving system reliability, maintainability, extensibility, and long-term scalability
- Built RBAC and security audit systems meeting strict compliance requirements

#### Mobile Consultancy | Senior Software Engineer

2012 - 2013

- Led planning and execution across multiple mobile development initiatives
- Together with a small team of three engineers, developed three iOS / Android apps using Objective-C and/or Java for clients such as Adidas, HomeAway, and 7-Eleven's tech incubator
- Designed and implemented backend web services, MySQL databases, and tooling supporting cross-platform mobile applications

#### Vast | Senior Software Engineer

2011 - 2012

- Developed Java and PHP services supporting scalable application integrations
- Designed and maintained relational data models in PostgreSQL and MySQL, improved query performance and reliability
- Built testing frameworks to capture and replay transactions, ensuring reliability and preventing production regressions

### CONTINUED EXPERIENCE

#### Dell (via MomentumSI) | Senior Software Engineer, Consultant

2010 - Current

- Co-Designed and implemented automated unix OS installations and server grouping functionality in Java REST/SOAP services for Dell's Active System Manager middleware.
- Participated in design and roadmap discussions with principal architects, developers, and ux.
- Mentored developers on implementation and design patterns.
- Improved productivity through automation scripts, simplified development processes, and technical documentation.

#### Pocket Sized Giraffe, LLC | iOS Mobile Engineer / Cofounder

2010 - 2015

- Created TumbleOn, consistently ranked as the #1 paid Tumblr app on iOS for both iPad and iPhone.
- Full SDLC ownership, including product concept origination, and iOS engineering with two partners (a designer and another engineer). Led product roadmap, architecture, and implementation.
- Published open-source apache-licensed utilities library

#### PayPal | Senior Software Engineer

2007 - 2010

- Engineered a high-performance Java XSLT-based frontend UI rendering platform handling ~98% of PayPal's global traffic, significantly improving scalability and user experience reliability
- Worked closely with product, security, and localization teams to deliver compliant, high-performance systems at global scale
- Built multi-threaded testing and simulation frameworks that reduced bug reproduction time from hours to minutes
- Led migration from legacy C++ systems to modern Java-based services, improving maintainability and performance

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#### Visa | Software Engineer

2005 - 2007

- Developed high-availability Java applications supporting enterprise banking systems and customer service platforms for Visa's Prepaid card initiative
- Built MySQL-backed systems supporting enterprise banking workflows, writing complex Hibernate ORM HQL for high-volume transactional data
- Worked with teams across product and operations to design workflow-driven systems using jBPM, improving operational efficiency for financial institutions

### EDUCATION

The University of Texas at Austin | BA, Computer Science | 2004