JEFFREY B. STEWART

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EXPERIENCE

Google   *2003 - 2021, 2022-present*
Senior Staff Software Engineer   *Mountain View, CA, Pittsburgh, PA, and Cambridge, MA*

· Led the migration of Google Search to SSL-by-default **(proudest professional accomplishment)**
· Reduced the frontend serving costs of Google Search by 20%
· Managed 6 direct reports
· Seamlessly migrated auto-complete to the Search frontend; increasing QPS by 10x
· Led a multidisciplinary team changing development culture to control Google Search latency
· As the first engineer at Google Pittsburgh, drove cultural development through first 100 hires
· Built and scaled Gmail from internal pilot through early launch; scaling for the first 100M users
· Sole author of Gmail POP3 (patented algorithm), and SMTP MSA, prototyped IMAP system
· Awarded the most prestigious award for project achievement at Google for my Gmail work
· Stabilized a thrashing infrastructure team, delivering 4 iterations of productivity metrics data warehouse

Meta Platforms, Inc. (formerly Facebook)   *2021-2022*
Software Engineer E7   *Cambridge, MA*

· Led development of core components of the next generation PaaS offering
· Infused an operationally aware culture into a team in crisis
· Established change management expectations that stabilized the offering

Good Technology   *2001 - 2003*
Technical Lead   *Sunnyvale, CA*

· Provided technical and project leadership to a team of 7 engineers
· Supported Fortune 1000 customers with a three-nines availability SLA

Remarq Communities   *1998-2001*
Software Engineer   *San Jose, CA*

· Developed the frontend serving systems supporting a web portal to Usenet

Netscape   *1997 - 1998*
Member of the Technical Staff   *Mountain View, CA*

· Built name resolution and related facilities for a CORBA-based distributed application architecture

EDUCATION

Carnegie Mellon University   *1996*
M.S. Information Networking   *QPA: 3.9*
Thesis: A Highly Available CORBA Naming Service

Carnegie Mellon University   *1995*
B.S. with University Honors Electrical and Computer Engineering   *QPA: 3.82*
Junior year of engineering studies in French at EPFL in Lausanne, Switzerland

TECHNICAL STRENGTHS

Development Skills	Distributed development across time zones and cultures
Computer Languages	Java, Go (golang), Rust, C++, Kotlin, SQL, Python
	Will quickly learn those you are using
Protocols & APIs	Protocol Buffers, Stubby/gRPC, Thrift, HTTP, MapReduce/Hadoop

PATENTS

US9319243B2   *2016*

Message server that retains messages deleted by one client application for access by another client application

PUBLICATIONS

Distributed Latency Profiling through Critical Path Tracing   *ACM Queue, Feb 2022*

Communications of the ACM, Jan 2023

PERSONAL

Second Degree Black Belt   *2022*

American Kenpo Karate

Ballroom Dance   *2023*