\*\*Matthew L\*\*

# Senior Software Engineer | Full-Stack Developer | Cloud Architect

**Contact:** mlong@magneton.io | 312-478-9956 | LinkedIn

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# \*\*Executive Summary\*\*

Hands-on Senior Software Engineer with 20+ years building mission-critical systems for Fortune 500 companies and high-growth startups. Deep technical expertise in full-stack development, cloud architecture, and AI/ML implementation. Proven ability to collaborate effectively in team environments while also capable of leading teams of teams when needed. Patent holder in secure distributed messaging architecture with a track record of delivering scalable solutions that drive business value.

## \*\*Key Achievements\*\*

* 🏆 \*\*$300M Exit\*\* - Core contributor at Evident.io (acquired by Palo Alto Networks)
* 💰 \*\*$70K Annual Savings\*\* - Optimized AWS infrastructure reducing operational costs
* 🚀 \*\*100+ Successful Engagements\*\* - Delivered high-value solutions across Finance, Healthcare, Energy, and Government sectors
* 🔐 \*\*Patent Holder\*\* - Invented secure distributed messaging architecture
* 🎖️ \*\*DARPA Recognition\*\* - Distinguished technology innovator and leadership alliance member
* 📦 \*\*500+ Commits (2024-2025)\*\* - Active development across 68 repositories
* 🛍️ \*\*Zoro E-commerce Platform\*\* - Built microservices handling millions of transactions daily (2025)
* 🏗️ \*\*TSI Infrastructure\*\* - Architected AWS cloud solutions with React/Laravel stack (2024-2025)
* 📞 \*\*Pop Secret IVR System\*\* - Developed Twilio-powered voice AI system for national campaign (2025)

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# \*\*Core Competencies\*\*

## \*\*Software Engineering Excellence\*\*

* \*\*Full-Stack Development\*\*: Expert in React, Node.js, Python, Java/Spring, Go
* \*\*System Architecture\*\*: Designed and built 100+ production systems
* \*\*Code Quality\*\*: Strong advocate for clean code, testing, and best practices
* \*\*Problem Solving\*\*: Complex algorithm design and optimization

## \*\*Team Collaboration & Leadership\*\*

* Thrives in collaborative team environments as individual contributor
* Strong communicator across technical and non-technical stakeholders
* Mentors junior developers and shares knowledge freely
* When needed, can lead teams of teams (20+ engineers)
* Experience as CTO and Director-level positions when leadership required

## \*\*Technical Expertise\*\*

### \*\*Cloud & Infrastructure\*\*

* \*\*Multi-Cloud Expert:\*\* AWS, Azure, GCP certified implementations
* \*\*DevOps Leadership:\*\* Kubernetes, Terraform, CI/CD pipeline optimization
* \*\*Security Focus:\*\* NIST, SOC2, PCI, HIPAA compliance implementation

### \*\*Development Stack\*\*

* \*\*Languages:\*\* Python, JavaScript/TypeScript, Go, Java/Spring, Scala
* \*\*Frameworks:\*\* React, Node.js, FastAPI, Django, Spring Boot
* \*\*Data & AI:\*\* TensorFlow, PyTorch, Spark, Kafka, BigQuery, Snowflake

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# \*\*Education & Professional Development\*\*

* \*\*M.S. & B.S. Computer Science\*\* - University of Colorado
* \*\*Certifications:\*\* Red Hat Certified, Microsoft Certified Professional
* \*\*Continuous Learning:\*\* Advanced studies in Quantum Computing, AI/ML, Cryptography, and Applied Mathematics

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# \*\*Recent & Featured Engagements\*\*

## \*\*Zoro/Grainger (2024-2025)\*\* - \*Senior Software Engineer\*

**Impact:** Built critical e-commerce microservices processing millions of daily transactions

* Developed shipment tracking service with 85 commits handling real-time package updates
* Built return service managing complex partial shipment logic (52 commits)
* Implemented FedEx webhook integration with Datadog monitoring (67 commits)
* Created order management APIs supporting high-volume retail operations
* Tech Stack: Node.js, Java/Spring Boot, Python, Google Cloud, Microservices

## \*\*TSI (2024-2025)\*\* - \*Senior Full-Stack Engineer\*

**Impact:** Architected cloud infrastructure and full-stack applications

* Designed AWS infrastructure with React/Laravel application stack
* Implemented Kubernetes orchestration for scalable deployments
* Built responsive frontend components with modern React patterns
* Optimized database queries improving response times by 40%
* Tech Stack: AWS, React.js, PHP Laravel, Kubernetes, PostgreSQL

## \*\*Pop Secret/PopCorners (2025)\*\* - \*Senior Software Engineer\*

**Impact:** Created national marketing campaign's technical infrastructure

* Built Twilio-powered IVR system for "Buttery Secrets Hotline"
* Implemented voice recording, storage, and playback features
* Designed 4-option interactive menu with SMS integration
* Deployed serverless architecture on Vercel with AWS S3 storage
* Tech Stack: Node.js, Express, Twilio, AWS S3, PostgreSQL, Vercel

## \*\*Shell (2022-2023)\*\* - \*Senior Software Engineer\*

**Impact:** Built enterprise-scale data analytics platform for energy load forecasting

* Designed microservices architecture using AWS EKS/GCP GKE with Kafka backbone
* Implemented ML-powered predictive analytics reducing forecasting errors by 30%
* Collaborated with team of 8 engineers implementing GitOps and ArgoCD

## \*\*Fidelity Labs (2020-2023)\*\* - \*Senior Software Engineer\*

**Impact:** Developed SOC2-compliant RegTech platform processing millions of transactions

* Architected multi-cloud infrastructure supporting 99.99% uptime SLA
* Implemented BERT-based AI models improving recommendation accuracy by 45%
* Built ReactJS frontend and Java Spring microservices handling 10K+ requests/second
* Key contributor to saifr.ai platform development

## \*\*Regis Corporation (2018-2022)\*\* - \*Senior Full-Stack Developer\*

**Impact:** Built ML-powered document management system increasing client retention by 25%

* Developed ML-powered document classification system using AWS SageMaker
* Created custom Outlook plugin processing 100K+ financial documents monthly
* Built ReactJS portfolio management platform serving 500+ franchisees

## \*\*Evident.io (2016-2018)\*\* - \*Senior Software Engineer\*

**Company Exit: $300 Million to Palo Alto Networks**

* Engineered cloud-native security solutions detecting 1M+ security events daily
* Received "Bug Fix of the Year 2017" award for critical performance improvements
* Reduced AWS operational costs by $70,000 annually through optimization

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# \*\*Industry Impact\*\*

## \*\*Sectors Served\*\*

**Financial Services:** Fidelity, Avant Credit, First Data, Blue Cross Blue Shield

**Energy & Utilities:** Shell, Houston Energy, Sunoco

**Technology:** Apple, Target, Zebra, TSI

**Government:** DARPA, USDA

**Retail & Hospitality:** Pizza Hut, Cabelas, Royal Caribbean

**Healthcare:** Various HIPAA-compliant implementations

## \*\*Innovation & Research\*\*

* \*\*Patents:\*\* Secure distributed messaging architecture
* \*\*Open Source:\*\* Active contributor to multiple projects
* \*\*R&D:\*\* DARPA resilient cloud architectures using fault-tolerant rough-set grammars
* \*\*Thought Leadership:\*\* Published research in distributed systems and quantum computing

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# \*\*Technical Architecture Expertise\*\*

## \*\*Enterprise Solutions\*\*

* High-Performance Computing (HPC) implementations
* Microservices and event-driven architectures
* Distributed Service-Oriented Architectures (DSOA)
* Real-time data processing pipelines
* Consensus algorithm design and implementation

## \*\*Operational Excellence\*\*

* Infrastructure as Code (IaC) automation
* Container orchestration and service mesh
* Performance optimization and capacity planning
* Disaster recovery and business continuity
* Security auditing and penetration testing

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# \*\*Value Proposition\*\*

I bring deep technical expertise and strong collaborative skills to build exceptional software. My approach focuses on:

✅ **Engineering Excellence** - Writing clean, maintainable, well-tested code

✅ **Technical Innovation** - Implementing cutting-edge solutions with practical applications

✅ **Collaborative Development** - Working effectively in agile teams and pair programming

✅ **System Optimization** - Building performant, scalable architectures

✅ **Knowledge Sharing** - Mentoring teammates and documenting solutions

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# \*\*Ready to Build Something Amazing Together?\*\*

Let's discuss how my engineering expertise can contribute to your team's success and help deliver exceptional software solutions.

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\*References and detailed project portfolios available upon request\*