Tyler La Fronz

Lead Software Engineer, Site Reliability · Cloud Architect · New York City

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Lead Software Engineer and NYC-based cloud architect with 9+ years designing and running cloud-native platforms, AI-driven tools, and Web3 applications. Works at a staff-level scope across cloud platform engineering and site reliability, with deep experience in Google Cloud Platform (GCP), Kubernetes, microservices, APIs, and DevOps automation. Has led cross-functional teams at Capital One and Forbes in New York City, building resilient infrastructure and the tooling that makes it easier to use.

PROFESSIONAL EXPERIENCE

Lead Software Engineer, Site Reliability | June 2025 - October 2026

Capital One Financial Corporation

Lead SRE responsible for driving reliability, scalability, and operational excellence by building resilient cloud infrastructure, automating incident response, and improving system observability.

- Ran the team's roadmap, partnering with Project/Program Management and the leadership team to define technical direction and propose new initiatives and epics
- Proposed and built an internal production-readiness platform that consolidates signals from 10+ data sources and gives each team an AI-generated executive overview of its launch readiness
- Used Claude to explore the dashboard design, and internally hosted models to generate the overview summaries
- Practiced spec-driven, AI-assisted development with Claude Code to speed up reliability tooling and engineering work
- Drove cross-team engineering standards, partnering with peer teams across the program and wider enterprise
- Led SLO/SLA definition, incident response automation, and postmortem processes across distributed systems, reducing mean time to resolution (MTTR) and improving system health visibility
- Implemented robust monitoring, alerting, and logging pipelines using tools like NewRelic and CloudWatch, and partnered with engineering and product teams to proactively resolve reliability risks
- Contributed to internal tech talks and external DevOps communities to share learnings on modern SRE practices and cloud-native reliability

Sr. Software Architect, GenAI, API, List & Web3 | January 2024 - May 2025

Forbes Media, LLC.

Designed and delivered software at the intersection of GenAI, APIs, Forbes Lists, and Web3. Led cross-functional teams designing, building, and scaling high-performance, enterprise-grade systems.

- Architected and delivered solutions at the intersection of GenAI, APIs, Forbes Lists, and Web3
- Architected and implemented robust, scalable APIs that power Forbes' digital ecosystem, serving millions of users with high availability
- Architected Forbes Legacy Pass, a Web3 product recognized as a 2025 Webby Award Honoree for Best Mobile User Interface (Mobile Features)
- Led cross-functional teams designing, developing, and scaling high-performance, enterprise-grade software systems
- Championed the adoption of microservices architecture, enhancing system agility, maintainability, and resilience
- Mentored and coached junior engineers, fostering a culture of technical excellence, innovation, and continuous learning
- Standardized engineering workflows through leadership meetings, reducing cross-team friction by 15% and improving release cycles

Software Architect, Crypto & Web3 | June 2021 - December 2023

Forbes Media, LLC.

Designed and Built Highly Scalable, Secure, and Reliable Web Applications using various technologies on the Google Cloud Platform.

- Managed a 10+ person global engineering team building Forbes Digital Assets and Web3 products from concept to production, increasing development efficiency by 25% via Agile methodologies
- Translated business requirements into technical roadmaps, launching major Web3 initiatives that drove user growth
- Implemented rigorous code review processes across all Go services, reviewing 10K+ lines of code and improving maintainability by 15%
- Provided expert technical support, including production error handling, system troubleshooting, and performance optimization
- Onboarded and guided new team members, streamlining implementation and accelerating productivity

Lead Applications Developer | August 2020 - June 2021

United Parcel Service, Inc.

Lead a team of 18 developers focusing on 3 separate applications. Worked closely with my counterparts to ensure new deliverables would be completed on time, and be ready for integration testing.

- Led team of 18 developers across 3 applications, reducing deployment failures by 20% through enhanced CI/CD pipelines
- Served as the primary point of contact for security-related initiatives, implementing new industry-standard security measures to protect applications
- Partnered with cross-functional teams to orchestrate enterprise-wide end-to-end testing, ensuring flawless integration and delivery
- Drove improvements in application security and compliance, enhancing system robustness and user protection

Intermediate Application Developer | June 2019 - August 2020

United Parcel Service, Inc.

Top DevOps Engineer on the team of application developers. Collaborate with other teams to ensure the on-time deployment of secure web applications running across six Kubernetes clusters.

- Led DevOps initiatives, managing 6 Kubernetes clusters on Google Cloud and increasing deployment frequency by 35%
- Streamlined cross-team deployments on Google Cloud, reducing deployment time by 15% and improving security posture
- Designed DevOps pipelines that reduced manual deployment errors by 50% and accelerated release cycles
- Pioneered the introduction of new development languages and technologies, improving team efficiency and capability

Software Developer II | November 2018 - June 2019
United Parcel Service, Inc.
Collaborate with the product owner and management ensuring on-time delivery of features as Full-stack Web Application Developer using Spring Boot and Java.

- Contributed to cost savings by leading rework initiatives on existing applications, optimizing functionality and performance as a full-stack developer using Spring Boot and Java
- Acted as Scrum Master for a subset of the team, facilitating agile processes and ensuring smooth project execution
- Designed and developed applications on BigQuery and Kubernetes, improving data processing and scalability

Software Developer I | November 2017 - November 2018
United Parcel Service, Inc.
Performed as Full-stack Web Application Developer using Spring, OpenShift, Java, and JavaScript. Collaborated with global coworkers and consultants remotely. Designed and implemented rebuilds for operational applications to control and monitor packages.

- Led the redesign and implementation of operational applications to improve package tracking and monitoring systems
- Streamlined internal processes by developing and implementing more efficient DevOps practices
- Earned recognition for technical contributions and leadership, resulting in promotion to Software Developer II

VOLUNTEER LEADERSHIP

Director, Pickleball Open League (Volunteer) | July 2024 - Present
Big Apple Recreational Sports (BARS)
Help lead and operate an LGBTQ+ recreational pickleball league in New York City, overseeing league operations, participant engagement, communications, and community-building initiatives.

- Co-lead seasonal pickleball leagues, coordinating player scheduling, match rotations, venue logistics, and weekly operations
- Organize league activities and oversee participant communications through email, WhatsApp, Pickleheads, and shared scheduling tools
- Coordinate player onboarding, skill-level placement, and league participation to create an inclusive and welcoming experience
- Collaborate with fellow volunteer leaders to resolve operational challenges, improve processes, and deliver consistent programming
- Organize post-play social events that encourage community engagement and relationship-building
- Support the broader BARS mission of fostering inclusive LGBTQ+ recreational sports communities

SKILLS

Programming Languages
Go · **Java** · **JavaScript** · **Python** · **Node.js**

Tools & Platforms
Git · **Jenkins** · **Docker** · **Linux** · **Markdown** · **GCP** · **Spring Boot** · **Kubernetes** · **Terraform** · **Claude Code** · **New Relic** · **Amazon CloudWatch** · **OpenAI Codex** · **GitHub Actions**

Working Knowledge & Self Taught
R · **PHP** · **Angular** · **Jekyll**

Workflow
Agile Development & Scrum Methodologies · Cloud-Native Architecture (Google Cloud Platform) · CI/CD Pipeline Design & Automation · Infrastructure as Code (Terraform) · Identity & Access Management (IAM/OIDC) · Microservices & Distributed Systems · SLO/SLA Definition · Incident Response & Postmortems · AI-Assisted, Spec-Driven Development (Claude Code, Codex) · Code Review & Pair Programming · Monitoring, Logging & Observability · DevOps & GitOps Workflows

EDUCATION

Wentworth Institute of Technology | August 2013 - August 2017
Bachelor of Science - Computer Science

- Dean's List - Summer 2016 & Spring 2017
- Student Government President and Academic Affairs Officer.
- Introduced Preferred Name Policy across the intranet to allow the use of name students, faculty, and staff identify with.
- Collaborated with student leaders within the Fenway consortium entailing five additional area colleges and universities.

Training & Development

- Wentworth Leadership Academy, 12-week Leadership seminar

Appointments

- Registrar, Director of the Center for Diversity and Social Justice candidate search committees
- Wentworth Alumni Association Student Board Member

CERTIFICATIONS, COMMISSIONS & AWARDS

Webby Award Honoree: Best Mobile User Interface (Mobile Features) | 2025
The Webby Awards

- For Forbes Legacy Pass, credited as Sr. Software Architect, API & Web3

Election Inspector, Ballot Scanner Inspector | 2026
New York City Board of Elections

- Assigned as a Ballot Scanner Inspector, responsible for scanner setup, voter assistance at the scanner, and closing procedures

Professional Cloud Architect Renewed | September 10, 2020 - September 09, 2027
Google Cloud