

NICHOLAS FERGUSON

Saint Augustine, FL | (615) 513-3855 | nick@njf.io | [GitHub](#)

SUMMARY

VP Platform Engineering - AI R&D with senior-level expertise delivering production AI systems. Leads multi-model LLM orchestration on Kubernetes/AWS, cutting deployment time 40% and building enterprise SSO-secured agent platforms. Previously scaled a fintech engineering organization to 40 in a SOC 2 environment as CTO. Seeking to leverage platform leadership to drive AI product innovation.

EXPERIENCE

FP Complete Corporation

Apr 2022 - Present

VP Platform Engineering - AI R&D

remote

- Architect multi-model AI orchestration pipelines running LLMs and generative AI in production; reduced model deployment time 40%.
- Led AI research and implementation of integrated MCP protocols and LLM platform infrastructure, reducing delivery time for client AI solutions by 30% and increasing customer adoption rates.
- Built an internal developer platform with self-service onboarding workflows, reducing onboarding time by 50%; standardized CI/CD pipelines on GitHub Actions, shortening deployment cycles by 60%
- Led a distributed platform engineering team of up to 30 engineers, defining roadmap, architecture standards, SLAs, and incident-response processes, which improved system uptime by 15% and lowered mean time to recovery by 40%

Nephila Advisors LLC

Jan 2013 - Dec 2021

Chief Technology Officer

- Built and scaled global engineering organization from 1 to 40 for an insurance-linked securities advisory firm; owned technology strategy, budget, and vendor selection.
- Architected AWS infrastructure for quantitative analysis and risk modeling platforms at 99.99% uptime; implemented SOC 2 and financial regulatory compliance frameworks.
- Partnered with executive, risk, and quant leadership to align technology with trading and risk objectives; FinOps program cut infrastructure spend 35%.

Nephila Capital

Aug 2008 - Dec 2012

Senior Systems Engineer

- Designed enterprise infrastructure supporting hedge fund operations at 99.99% uptime; led virtualization and disaster recovery strategy (hardware costs -40%).

Hewlett-Packard; Applied Computer Technologies

2000 - 2008

Systems Engineering Roles

- Designed and deployed enterprise infrastructure on AWS (EC2, EKS, RDS, S3, VPC) using Docker and Kubernetes (EKS), integrating JavaScript services and Model Context Protocol to support fintech applications in SOC 2-regulated environments across Colorado and Tennessee, improving system reliability and shortening deployment cycles

SKILLS

- **AI / LLM:** Agentic AI, AI agents, LLM orchestration, Model Context Protocol (MCP), multi-model pipelines, prompt engineering, OpenAI API, Anthropic API, LangChain, generative AI
- **Languages:** Rust, Python, TypeScript, JavaScript, Go, Bash, SQL
- **Platform & Cloud:** Kubernetes (EKS), AWS (EC2, EKS, RDS, S3, VPC), Terraform, Docker, Helm, GitHub Actions, CI/CD, Prometheus, Grafana, OpenTelemetry, PostgreSQL, Redis
- **Domains:** Trading systems & OMS, fintech & regulated environments (SOC 2), identity & SSO (Okta, OAuth2), blockchain (Solana, USDC, custom Rust chain), platform-as-a-product, SRE & incident management