

MATTHEW PERRY

Raleigh, NC 27606 • 919-389-7980 • matt@mattperry.info
linkedin.com/in/matthew-perry-27606 • mattperry.info

SUMMARY

Engineering leader and hands-on builder with 25 years across full-stack development, cloud architecture, and applied AI. Currently direct a ~50-person organization delivering production agentic-AI systems; previously 23 years at SAS as a pre-sales technical architect, principal instructor (#1 globally, 2014 and 2015), and software developer. Build and operate a multi-tenant agent platform — Java/Spring Boot, React/TypeScript, PostgreSQL/pgvector, Terraform on AWS — where agents, knowledge bases, and MCP tool integrations are versioned configuration rather than code. Ship production code daily with AI coding assistants and lead a team doing the same, with an evidence-based view of where they help and where they do not. Seeking a hands-on engineering management role on a public-facing developer product. Patent contributor. Navy veteran.

TECHNICAL SKILLS

Front End & Web: React • TypeScript / JavaScript • Vite • Responsive and accessible UI • Static and server-rendered delivery • Structured data and crawlability for AI agents

APIs & Identity: REST • OpenAPI / Swagger (spec-driven tool generation) • OAuth 2.0 / OIDC • Okta • Microsoft Entra ID / Azure SSO • Scoped service tokens • RBAC

AI Engineering: Anthropic Claude • AWS Bedrock (Converse) • Agentic orchestration and multi-step flows • RAG: chunking strategy, retrieval evaluation, coverage analysis • Model Context Protocol (MCP), publish and consume • LLM-judge evals with regression gates • Guardrails • Per-call cost attribution

AI-Assisted Development: Claude Code in real delivery work • Team adoption patterns • Guardrails for code review, data handling and IP • Measuring impact on delivery speed and code quality

Cloud & Platform: AWS (ECS Fargate, RDS PostgreSQL, S3, Lambda, CloudFront, ALB, Secrets Manager, CloudWatch, ECR) • Azure (Entra ID integration) • Terraform • Docker • CI/CD pipelines • TLS and certificate lifecycle • Multi-AZ high availability • OpenTelemetry

Languages & Data: Java (Spring Boot) • TypeScript / JavaScript • Python • SQL • PostgreSQL / pgvector • SAS

Leadership: Hiring and performance management • Career development • Roadmap ownership • Agile delivery (Jira, Confluence) • Vendor and offshore management • Budget oversight • Executive communication

PROFESSIONAL EXPERIENCE

Director — Technical Automation & Technical Integrations

Holland America Line (Carnival Corporation) | Seattle, WA (Remote) | October 2024 – Present

- Direct ~50 professionals — managers, project managers, technical leads, and onshore/offshore engineers — with multimillion-dollar capital budgets; own hiring, performance reviews, and career development.
- Built and operate an internal agent platform (Java/Spring Boot, React 19/TypeScript, PostgreSQL/pgvector, Terraform on AWS ECS Fargate and RDS) that lets operators configure agents, knowledge bases, tools, and multi-step flows as versioned data — no code deploy needed to change behavior. Running in production across Holland America, Princess, and Seabourn.
- Own the platform's entire cloud footprint: Terraform-provisioned ECS Fargate across two availability zones, RDS Multi-AZ, edge TLS with certificate lifecycle, secrets management, monitoring, disaster recovery, and cloud spend — accountable for availability and performance.
- Built an OpenAPI-to-agent-tool pipeline: published API specifications are imported and turned into governed, callable tools for LLM consumers — direct experience of what makes API documentation machine-legible, and where it breaks down in practice.
- Publish and consume Model Context Protocol (MCP) endpoints in production with per-tenant authentication, treating agent-facing interfaces as a first-class product surface.
- Lead the team's adoption of AI-assisted development — tool evaluation, effective usage patterns, and guardrails for code review, data handling, and intellectual property — and ship production code the same way: AI-authored changes with tests, tracked tickets, and reviewed deploys.
- Designed the governance layer enterprise AI requires: per-tenant row-level data isolation, RBAC, content-hashed configuration snapshots pinned to every run for reproducibility, input/output guardrails, and an eval harness with LLM-judge scoring and regression gates so changes are measured before release.
- Pioneered the enterprise AI strategy adopted across multiple Carnival brands and championed by the CEO and Board of Directors; established corporate-wide API development standards and a Java microservice layer handling 10M+ daily transactions.

Senior Manager — Guest Commerce

Holland America Line | Seattle, WA (Remote) | April 2024 – October 2024

- Transformed automation from ad-hoc development into standardized, scalable processes that enabled efficient multi-vendor collaboration.
- Designed and delivered revenue-critical guest-facing systems including Shore Excursions and the “Come Back and Sail” campaigns, generating hundreds of millions in annual revenue.
- Built an AI-powered crew-onboarding proof of concept that demonstrated clear business value and led directly to promotion and the creation of the Technical Automation team.

SAS Institute — Cary, NC | 2001 – 2024 (23 years)

Principal / Advisory Pre-Sales Technical Architect | 2016 – 2024

- Drove \$10M+ in annual pipeline and closed sales across 50+ strategic engagements with Fortune 500 clients including BNSF, McDonald's, FedEx, Carnival, Travelport, and UPS.
- Built custom analytics web applications embedded in SAS Viya — replaced an incumbent Palantir solution at BNSF, delivered a price-optimization UI for McDonald's (\$823K), and real-time bot detection for Travelport (\$3.6M deal) scoring 3,400+ transactions per second.
- Created the Viya Data Editor, a full CRUD web application evaluated by SAS R&D and Dr. Goodnight for enterprise deployment; authored SAS Console, a simplified analytics interface reviewed for public release.
- Developed predictive models and recommendation engines, including a shore-excursion recommender deployed to 26 cruise ships.
- Served as Technical Account Manager for Carnival Corporation, rebuilding executive relationships and expanding platform adoption organization-wide.

Principal Training Consultant | 2011 – 2016

- Ranked #1 SAS instructor globally in 2014 and 2015 on customer evaluations and training-effectiveness metrics.
- Authored and delivered the SAS Demand-Driven Forecasting curriculum; taught across the United States, Helsinki, and Barcelona.

Senior Software Developer & Consultant | 2001 – 2011

- Led front-end development for flagship products including SAS Drug Development and Contact Center Planning & Optimization.
- Architected BI dashboards and reporting engines for enterprise clients across healthcare, finance, and utilities.

MILITARY SERVICE

Sonar Watch Supervisor & Sonar Technician

United States Navy | Jacksonville, FL | December 1993 – February 1999

- First sailor aboard to qualify as Sonar Supervisor during a first enlistment; led a team of 10 technicians in mission-critical operations.
- Deployed in support of Operation Sharp Guard (NATO enforcement of UN sanctions in the Adriatic Sea).
- Qualified Enlisted Surface Warfare Specialist (ESWS); awarded the Navy and Marine Corps Achievement Medal and a Letter of Commendation.

AWARDS & RECOGNITION

- Top SAS Customer Advisory Performer of the Year (2021)
- Top Global SAS Instructor (2014, 2015)
- Patent contributor — outlier detection system; Viya thought leader
- \$3.6M Travelport win — real-time bot detection system
- VIP recognition from Carnival Cruise Line for exceptional client impact
- BNSF recognition — Continuous Improvement in Quality (CIQ) application

EDUCATION & CERTIFICATIONS

MBA, Information Technology Management — North Carolina State University

BBA, Computer Information Systems (Honors) — James Madison University

Certifications: AWS Certified Cloud Practitioner • Advanced SAS Programming • Base SAS Programming