

Jacob North

Technical Leader | Solutions Architect | Full-Stack Engineer

jacob@janorser.com | 770-367-0317 | Hoschton, GA | janorser.com

PROFESSIONAL SUMMARY

Technical leader with 6+ years building secure, scalable systems from architecture through deployment. Combines deep hands-on engineering expertise with team leadership and stakeholder management. Proven ability to architect solutions, lead cross-functional teams, and deliver mission-critical features while maintaining strict security compliance. Excels at wearing multiple hats - from coding production features to designing cloud infrastructure to managing Army security audits.

PROFESSIONAL EXPERIENCE

Cadet Portfolio - EdTech / Defense (Remote)

Lead Developer | Aug 2022 - Present

Architecture & Infrastructure

- Architect and maintain secure, compliant AWS and AWS GovCloud environments supporting 250,000+ users across DOD installations, achieving 99.9% uptime during 40% user growth
- Serve as Solutions Architect and Senior Systems Engineer for Army G6 technical reviews, owning documentation and compliance validation for 400+ NIST 800-53 controls
- Design and implement cloud infrastructure across EC2, S3, RDS, ElastiCache (Redis), SQS, SNS, SES, ALB, and EBS, ensuring IL4, CMMC, and FedRAMP compliance

Technical Leadership & Delivery

- Lead team of 5-7 developers through full SDLC: architecture planning, sprint planning, code reviews, and production deployments
- Designed and delivered major platform features including MFA authentication system, asynchronous grading queue (eliminated processing delays and data loss), quiz creation platform, curriculum planning tools, and internal messaging system

- Partnered with CTO to establish security documentation and controls infrastructure required for Department of Army Authorization to Operate (ATO) renewal
- Overhauled development workflows, testing processes, and ticketing systems, dramatically reducing help desk response times and production hotfixes

Technology Stack: C# (.NET Framework & .NET Core), AWS/AWS GovCloud, SQL Server, Redis, RESTful APIs

Foxtire Software - Warehouse Management Systems (Hybrid)

Chief Technology Officer | Feb 2019 - Sep 2022

Strategic Leadership

- Led company's digital transformation as first CTO, migrating flagship WMS product from on-premise to cloud-based SaaS architecture within first year
- Managed technical relationships with 30+ clients including Fortune 500 companies, translating business requirements into technical solutions
- Built and led team of 10+ developers and contractors, establishing development standards, code review processes, and delivery workflows

Technical Execution & Revenue

- Personally delivered \$3M+ in custom feature development and billable work over 3 years as individual contributor (50% of role)
- Architected and implemented complete WMS feature set: allocation, wave/batch picking, pick-to-light, LPN management, labeling, shipping integrations, and pack verification
- Designed APIs and integrations connecting WMS to ERP systems, shipping carriers, and warehouse automation hardware

Technology Stack: C# .NET, C++, Delphi, Pascal, SQL Server, Cloud Architecture (AWS/Azure), REST APIs, WMS/ERP Integrations

ADDITIONAL EXPERIENCE

Jackson County Emergency Management Agency

Communications & Disaster Assessment Team (CDAT) Member | 2023 - Present

- Support emergency operations planning and execution during county-wide exercises and real-world events
 - Provide auxiliary communications support via amateur radio (HAM) for emergency management operations
 - Assist with emergency preparedness planning and community resilience initiatives
-

CERTIFICATIONS

Google Project Management Certificate | Coursera (In Progress)

Google Data Analytics Certificate | Coursera

FEMA Emergency Management:

- IS-100.C: Introduction to Incident Command System
- IS-200.B: ICS for Single Resources and Initial Action Incidents
- IS-700.B: An Introduction to the National Incident Management System
- IS-800.D: National Response Framework

CISA Auxiliary Communications (AUXCOMM) | State of Georgia

TECHNICAL EXPERTISE

Languages & Frameworks: C#, .NET Framework, .NET Core, SQL, T-SQL

Cloud & Infrastructure: AWS (EC2, S3, RDS, SQS, SNS, SES, ALB, EBS), AWS GovCloud, Azure

Databases & Caching: Microsoft SQL Server, Redis (ElastiCache)

Security & Compliance: NIST 800-53, CMMC, IL4, FedRAMP, DoD ATO processes

Architecture & Design: Solutions Architecture, Cloud Architecture, System Design, API Design, Microservices

DevOps & Operations: CI/CD pipelines, Infrastructure management, Production system administration

LEADERSHIP & MANAGEMENT SKILLS

Team Leadership: Direct management of engineering teams (5-10 people), sprint planning, performance management, mentoring junior developers

Stakeholder Management: Executive communication, client relationship management, translating technical concepts for non-technical audiences

Process Improvement: Agile/Scrum implementation, workflow optimization, quality assurance processes, incident response procedures

Strategic Planning: Technical roadmap development, architecture decision-making, resource planning, risk mitigation

Problem Solving: Root cause analysis, performance optimization, security remediation, scalability planning