

# NICHOLAS MOPPERT

Software Engineer | 10-Year Army Infantry Veteran | VR Enthusiast

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Wilmington, NC 28403

## SUMMARY

Full-stack software engineer transitioning from 10 years of military leadership to software development with focus on VR/AR platforms, developer tools, and immersive technologies. **Valedictorian of intensive FinTech apprenticeship** where I built a production-ready banking application featuring ML-powered loan approval and containerized architecture. Proven ability to master complex technical systems rapidly, lead cross-functional teams, and execute under pressure. Currently completing B.S. in Software Engineering at WGU while learning Unity and VR development.

**Seeking:** Software Engineering roles in VR/AR, platform engineering, DevOps, or developer tools where I can combine technical expertise with creative design thinking, interpersonal leadership, and experience building engaging user-facing applications.

## EDUCATION

### Western Governors University

#### Bachelor of Science in Software Engineering

Expected December 2026 | Remote (Wilmington, NC)

Competency-based program focusing on full-stack development, algorithms, computer graphics, and emerging technologies

## TECHNICAL SKILLS

**Languages:** JavaScript, Python, HTML/CSS, SQL, Java, C# (Unity)

**Frameworks/Libraries:** React, Flask, Node.js, Express.js, Spring Boot, Pandas, NumPy, Scikit-learn

**DevOps/Cloud:** Docker, CI/CD (GitLab), Terraform, Git/GitHub Actions, AWS (EC2, S3, RDS, IAM)

**Databases:** PostgreSQL, MySQL, MongoDB

**VR/AR (Learning):** Unity, WebXR, Three.js, immersive UX design

**Soft Skills:** Creative problem-solving & design thinking, collaborative team dynamics, technical mentorship, rapid prototyping, thriving in ambiguous environments

## PROFESSIONAL EXPERIENCE

### Stiegler EdTech Career Technology Apprenticeship Program

#### Distinguished Graduate (Top Academic Performer) - Full Stack Developer

April 2024 - February 2025 | Wilmington, NC

Selected from 900+ applicants (**5% acceptance rate**) for intensive 900-hour FinTech development program. **Featured in WilmingtonBiz article "Employers Unite on Tech Talent"** profiling military-to-tech career transition.

- Led 3-person team to architect and build **production-ready banking application** with React front-end, Python/Flask back-end, PostgreSQL database, and **ML loan approval system (85%+ accuracy)**
- **Containerized entire multi-service architecture** using Docker and implemented **CI/CD pipelines** with GitLab for automated testing and deployment, reducing deployment time from hours to minutes
- Integrated Freshdesk customer support platform with automated workflows, **improving response time by 40%**; built RESTful APIs with JWT authentication
- Gained hands-on experience with cloud infrastructure (AWS, Terraform), cybersecurity best practices, data analytics, and Agile project management

**Key Technologies:** React, Python, Flask, PostgreSQL, Docker, GitLab CI/CD, Scikit-learn, Pandas, Freshdesk API, AWS, Terraform

#### United States Army Infantry

2012 - 2022

#### Platoon Sergeant | Squad Leader

- Led cross-functional teams of **35+ personnel** through high-stakes operations requiring rapid decision-making under pressure and incomplete information, resulting in **12 promotions and 8 specialty school selections**
- Trained **100+ soldiers** on operation and troubleshooting of complex computer-guided weapon systems; earned instructor certification and **Expert Infantryman Badge** (awarded to <10% of infantry) while junior enlisted

- Coordinated multi-organizational crisis response operations involving military, State Department, embassy staff, and civilian populations across East Africa with **zero casualties**
- Managed logistics and supply chain operations for **500+ personnel** across multiple forward operating bases; developed training programs that improved unit performance metrics by **25%**

## PROJECTS

### AI-Powered Banking Application

React, Python, Flask, PostgreSQL, Docker, Scikit-learn, Freshdesk API

*Full Stack | 2024*

Capstone project: Full-stack banking platform with **ML-driven loan approval (85%+ accuracy)**, real-time customer support ticketing, **RESTful API with JWT authentication**, and Dockerized microservices architecture. Led 3-person team through agile development, CI/CD pipeline implementation, and production deployment.

### VR Social Experience

*In Progress | Expected Q1 2026*

Unity, C#

Personal passion project - Building **multi-user VR social space** to explore how people connect in virtual worlds, combining social UX design with real-time networking and immersive interaction principles for **Meta Quest platform**.

## ADDITIONAL INFORMATION

### Professional Development:

- Active participant in tech communities: **VetsInTech**, local developer meetups
- Continuously learning emerging technologies: VR/AR development (Unity), advanced Docker/Kubernetes, cloud architecture
- Passionate about the intersection of storytelling and interactive technology

### Leadership & Service:

- **Letter of Recommendation from Wilmington Chamber of Commerce** for advocacy work improving accountability in workforce development programs
- Mentor to transitioning veterans

*References available upon request*