

Matthew Michael Sherlin

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SUMMARY

Senior Software Engineer serving as COO and Head of FDE at Linkt, shipping production systems that drive business results. 5 years building scalable backend infrastructure and AI/ML systems across mission-critical environments — from NASA Mission Control and U.S. Navy maritime operations to enterprise AI platforms with 12,000+ users. Combines deep technical ownership with stakeholder management, team leadership, and a proven track record of turning engineering into revenue growth. Seeking engineering roles at companies building ambitious products.

EXPERIENCE

Linkt Remote / Austin, TX
January 2026 – Present

COO & Head of Forward Deployed Engineering

- Promoted from contract Senior Software Engineer after driving 2x+ ARR growth, owning and delivering on 3 major client platforms, and contributing to 5+ other clients and internal products.
- Work directly with CEO and CTO on product strategy and client relationships. Manage cross-functional task delegation and serve as primary point of contact for key accounts.
- Evaluated 7+ engineering candidates and established standardized assessment framework for client organizations. Oversee internal engineering team on projects and mentor junior developers.

Senior Software Engineer (contract)

October 2024 – January 2026

- Built and scaled AI content generation platform for Etsy sellers to 12,000+ users (1,500+ MAU), reducing content generation costs by 40%+. Expanded to Shopify using LangChain, Anthropic/Gemini LLMs, and fine-tuned models on Vertex AI.
- Built AI-powered UI generation system converting client call transcripts into fully interactive, branded front-end applications in under 20 minutes. Designed multi-stage LLM pipeline orchestrating Claude CLI agentic swarm with custom agents and MCP tools.
- Indexed 30,000+ talent profiles and 4,000+ companies in an intelligent matching platform using Meilisearch, Neo4j graph modeling, and hybrid semantic search combining criteria-based algorithms with vector embeddings.
- Deployed AI-powered retail cigar recommendation system across 10+ shop locations with in-store tablet interface.

Northrop Grumman

Remote, USA

Software Engineer

October 2022 – October 2024

- Delivered features across 20+ mission-critical applications for NASA and U.S. Navy contracts, managing 150% FTE workload across 4–5 concurrent contracts.
- Supported quarterly NASA rocket fuel logistics missions to Kennedy Space Center — maintained and debugged mathematical algorithms calculating fuel weight and transfer parameters.
- Maintained near-100% uptime across 20+ .NET/.NET Core Maritime Systems applications serving ~100 U.S. Navy personnel across East Coast factory operations.
- Developed 8 NuGet packages to modularize shared dependencies, streamlining developer onboarding and reducing setup friction. Received monetary performance award for engineering contributions.

Developer Squad

Buffalo, NY

Software Engineer

January 2022 – May 2023

- Led team of 7 engineers building decentralized applications. Deployed 5+ Solidity smart contracts to Polygon, Ethereum Mainnet, and EVM-compatible blockchains.
- Built Web2-to-Web3 integration bridges using ethers.js and web3.js, connecting applications with decentralized hosting infrastructure.

Kent State University

Kent, OH

Undergraduate Research Assistant

September 2021 – January 2022

- Collaborated with graduate team on medical extended reality application for IV insertion training. Created deformable mesh human models with dynamic blood vessel systems in Unity and developed live AR web applications using marker-based mobile tracking.

PROJECTS

Autonomous Language Interpreter — Python, Pandas, Flask, Cloud APIs, MySQL, JavaScript

- Built full-stack real-time conversation interpretation application designed to bridge language barriers in medical environments, featuring speech-to-text processing and multi-language translation.
- Implemented clinical features including SOAP note generation from conversations, discharge instruction creation, key information highlighting, and 24-hour transcription storage.

NomadDAO — Solidity, JavaScript, React.js, Node.js, Hardhat, Ganache

- Created decentralized autonomous organization platform for digital nomads with smart contract governance and community voting mechanisms deployed on Ethereum.
- Developed member dashboard for proposal management, treasury tracking, and on-chain voting participation.

EDUCATION & CERTIFICATIONS

Kent State University — B.S. in Computer Science; GPA: 3.93/4.0

Aug 2018 – Dec 2021

Advanced Learning Algorithms — Stanford University, May 2024

Supervised Machine Learning: Regression and Classification — Stanford University, May 2024

TECHNICAL SKILLS

Languages & Frameworks: Python, JavaScript/TypeScript, C#, C/C++, Solidity, FastAPI, Django, .NET, Node.js, Express, Next.js, React

AI/ML & Data: LangChain, Claude CLI, LiteLLM, TensorFlow, PyTorch, Scikit-learn, Pandas, Keras, MCP, Meilisearch, Prefect, RAG

Databases & Cloud: Neo4j, MongoDB, MySQL, Oracle SQL, Docker, Git, AWS, GCP, Vertex AI, Terraform, CI/CD