Matthew Michael Sherlin

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SUMMARY

Senior Software Engineer with 5 years of experience building production AI/ML systems and scalable backend system and infrastructure. Currently serving as Head of Forward Deployed Engineering at Linkt—hands-on developing enterprise AI solutions while managing client relationships, driving 2x+ ARR growth, and leading full-cycle product development. Proven track record across diverse environments—from mission-critical systems at NASA and U.S. Navy (Northrop Grumman) to Web3 decentralized applications and early-stage startups. Seeking opportunities with innovative companies in the US or EMEA.

EDUCATION

Kent State University   Kent, OH

Bachelor of Science in Computer Science; GPA: 3.93/4.0   *Aug. 2018 – December 2021*

EXPERIENCE

Linkt   Remote / Austin, TX

Head of Forward Deployed Engineering   *October 2024 - Present*

* **AI-Powered Rapid Prototyping System**: Built an AI-powered UI generation system that converts client call transcripts into fully interactive, branded front-end applications in under 20 minutes. Designed multi-stage LLM pipeline that processes transcripts into design documents, then orchestrates Claude CLI agentic swarm with custom agents and MCP tools for automated code generation. System extracts contextual entities from conversations to create personalized mock data, producing working multi-page UIs with functional navigation and context-aware content.

* **E-commerce AI Platform**: Engineered and scaled AI content generation platform for Etsy sellers to 8,700+ users (1,500+ monthly active), reducing content generation costs by over 40%. Integrated OAuth for direct shop management and expanded platform to support multiple marketplaces (Shopify, TikTok Shop) using LangChain, Anthropic/Gemini LLMs, MongoDB, Express, Node/React and fine-tuned models on Google Vertex AI.

* **Additional Client Solutions**: Developed AI recommendation system for retail cigar matching deployed across 10+ shop locations with in-store tablet interface. Engineered intelligent talent-company matching platform with Meilisearch indexing, Neo4j graph database modeling, and hybrid semantic search combining criteria-based algorithms with vector embeddings. Contributed to agentic outbound sales platform (Linkt Signals/Agents).

* **Leadership & Business Growth**: Contributed to 2x+ ARR growth through direct stakeholder management and strategic project execution. Established and manage full-stack technical interview process for evaluating developer candidates. Oversee cross-functional task delegation across multiple concurrent projects while serving as primary point of contact for key client accounts.

Northrop Grumman   Remote, USA

Software Engineer   *October 2022 – October 2024*

* **Enterprise Systems**: Delivered features for mission-critical applications supporting NASA Mission Control Center and U.S. Navy Maritime Systems while managing 150% full-time equivalent workload across 20+ applications and 4-5 concurrent contracts.

* **Mission-Critical Operations**: Supported quarterly NASA rocket fuel logistics missions to Kennedy Space Center and maintained near-100% uptime for U.S. Navy Maritime Systems infrastructure serving Virginia operations.

* **DevOps & Infrastructure**: Implemented CI/CD pipelines across 10 applications and developed 8 NuGet packages for enterprise deployment, streamlining dependency management.

Developer Squad   Buffalo, NY

Software Engineer   *January 2022 – May 2023*

* **Technical Leadership**: Led team of 7 engineers building decentralized applications, developed and deployed 5+ Solidity smart contracts to Polygon, Ethereum Mainnet, and EVM-compatible blockchains.

* **Web3 Integration**: Created Web2-to-Web3 integration bridges using ethers.js and web3.js, connecting applications with decentralized hosting platforms (Pinata, Alchemy).

Kent State University   Kent, OH

Undergraduate Research Assistant   *September 2021 – January 2022*

* **Extended Reality Research**: Collaborated with graduate team on medical XR 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.

Personal Projects

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

* **Medical Language Bridge**: Built full-stack real-time conversation interpretation and translation application designed to bridge language barriers in medical environments.
* **Translation Pipeline**: Designed speech-to-text processing pipeline with multi-language translation capabilities and conversation logging.
* **Clinical Features**: Implemented features for highlighting key information, generating SOAP notes from conversations, creating discharge instructions, and storing transcriptions for up to 24 hours.

NomadDAO — *Solidity, EVM, JavaScript (ethers.js, web3.js), React.js, Node.js, Hardhat, Ganache*

* **DAO Platform**: Created decentralized autonomous organization platform for digital nomads in the Web3 ecosystem.
* **Governance System**: Implemented smart contract governance system and community voting mechanisms on Ethereum blockchain.
* **Member Dashboard**: Developed member dashboard for proposal management and treasury tracking.

Technical Skills

Languages: Python, JavaScript/TypeScript, C#, C/C++, Solidity, SQL

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

Frameworks & Libraries: FastAPI, Django, .NET, Node.js, Flask, Express, Next.js, React, ethers.js, web3.js

Databases: Neo4j, MongoDB, MySQL, Oracle SQL

Cloud & Infrastructure: Docker, Git, AWS, GCP, Vertex AI, Terraform, CI/CD

Web3 & Blockchain: Solidity, Ethereum, Polygon, EVM, Hardhat, Ganache, Pinata, Alchemy