

SABIN THAPA

Full Stack Developer | sabin.thapa07051999@gmail.com | 862-220-3587 | Greater New York City Area | Portfolio: iamsabin07.com |

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PROFESSIONAL SUMMARY

Shipped 15+ production systems, from a contractor marketplace grown to 10,000 users to royalty infrastructure processing \$75M annually for SAG-AFTRA and AFM. Specializes in the full picture: distributed systems, CI/CD automation, and AI-powered applications that go beyond proof-of-concept. Works best where the problem is real, the stack is complex, and clean architecture actually matters.

RELEVANT EXPERIENCE

Full Stack Developer | *Applied Dynamic Solutions* | *Monroe Township, NJ* | **May 2022 – Present**

- Developed and maintained 15+ production web and mobile applications using ASP.NET Core, Node.js, React, Next.js, and TypeScript, building scalable REST APIs and responsive user interfaces.
- Built reusable frontend application templates with authentication, routing, state management, and notification systems, reducing new project setup time by 70% and accelerating feature delivery across scrum teams.
- Designed version-controlled database migration workflows using Entity Framework Core, implementing schema versioning and rollback strategies that reduced production migration time by 30%.
- Implemented CI/CD pipelines in Azure DevOps with automated testing, containerized deployments, and orchestration using Docker and Kubernetes, reducing release cycles by 60% while enforcing code quality in Agile workflows.
- Architected distributed media processing pipelines using FFmpeg, AWS Lambda, and Azure Functions, reducing delivery latency by 40%.
- Published reusable npm and nuget packages for OpenAI, AWS, and Azure to standardize secure API consumption across teams, reducing integration overhead by several developer-days per release.
- Designed a data-driven dashboard using D3.js and R for predictive analysis of royalty distribution trends, identifying payment anomalies with 95% precision and saving the organization 15+ hours of manual auditing per month.
- Collaborated with senior developers and organizational leadership to design and implement optimized project delivery workflows, streamlining the path from development to production.

Key Client: **Where Trades Go (East Hanover, NJ)**

- Led 0 to 1 development of a full-stack mobile and web jobs marketplace for tradespeople and contractors, growing the platform to 10,000+ users including 2,000+ paid contractors and establishing a production-ready system for real-world job matching and engagement.
- Designed and implemented weighted matching algorithms and optimized data structures for contractor-job recommendations, improving search relevance and reducing response time for real-time matching, achieving 95% satisfaction rate.

Key Client: **AFM and SAG-AFTRA (Valley Village, CA)**

- Deployed an automated e-forms workflow to replace paper-based processes, delivering a 7x increase in signed form return rates
- Optimized legacy royalty distribution systems supporting financial workflows processing \$75M+ annually.

PROJECTS

[Consensus – AI Powered Boardroom Simulator](#) | *Backend Developer* | **Oct – Dec 2025**

- Built a retrieval-augmented generation (RAG) platform integrating vector search, knowledge retrieval, and reinforcement learning simulation, reducing inference latency by 35% and improving multi-model decision accuracy by 1.5x.

[NFC Card System](#) | *Full Stack Developer* | **Jul – Aug 2025**

- Built and deployed a full-stack digital identity platform integrating NFC contact exchange, Stripe payments, OAuth 2.0 authentication, and JWT-based session management, with WebSocket-driven real-time analytics, scaling to 100+ active profiles.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, C#, Python, SQL, HTML5, CSS3, R

Frontend: React, Next.js, React Native, TailwindCSS, D3.js, Vite

Backend: ASP.NET Core, Node.js, FastAPI, Flask, GraphQL, REST APIs, EFCore

Cloud and DevOps: AWS, Azure, Docker, Kubernetes, CI/CD (Azure DevOps), Git, Cypress

Databases: PostgreSQL, MongoDB, MySQL, MSSQL, Redis, Qdrant

AI and ML: LLM integration (OpenAI, Anthropic), RAG systems, Elasticsearch, vector embeddings, prompt engineering

Core CS: Data structures, algorithms, system design, distributed systems, OOP, microservices

EDUCATION

New England College | **Expected Aug 2027**

Executive MS in Data Science and Analytics | GPA: 4.0

Caldwell University | **Dec 2022**

Bachelor of Science in Computer Science | GPA: 3.88