ELI BENDAVID

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Education

Florida State University   **Graduated: Spring 2024**
Bachelor Degree in Computer Science, Bachelor Degree in Economics   *Tallahassee, FL*

Experience

Support Engineer   **Dec 2025 - Present**
Solovis   *Remote*
- Developed internal automation tools using FastAPI to streamline support ticket workflows, reducing manual processing time and improving team efficiency through automated data validation and routing.
- Built Python-based automation scripts integrating ticket management systems via API, creating custom tooling that improved response times and support workflows.
- Collaborated with engineering teams to troubleshoot technical issues, providing detailed bug reports and contributing to product improvements based on client-facing insights.

Freelance Software Developer   **Dec 2024 - Present**
Self-Employed   *Remote*
- Developed full-stack web applications using Next.js, React, TypeScript, and tRPC with secure authentication (JWT), database integration (MongoDB, PostgreSQL), and responsive UI design with Tailwind CSS.

ProsperCI   **May 2023 - May 2024**
Software Engineer Intern   *Boston, MA*
- Developed and maintained Python/Flask backend implementing JWT authentication and RESTful API architecture for real-time iOS mobile application, ensuring robust error handling, input validation, and scalability for deployment at scale.
- Architected and built 10+ API endpoints for user authentication, profile management, and data synchronization.
- Optimized MongoDB query performance through strategic indexing and schema design, improving API response times while collaborating with senior developers through code reviews and pair programming.

Technical Projects

Task Manager REST API: Built production-ready Spring Boot application with comprehensive 20+ unit and integration tests using JUnit and Mockito. Implemented full CRUD operations with PostgreSQL database using JPA/Hibernate for data persistence. Configured automated CI/CD pipeline with GitHub Actions for continuous testing and deployment. Containerized full-stack deployment using Docker multi-stage builds and Docker Compose to orchestrate application and PostgreSQL containers. Developed clean MVC architecture with proper separation of concerns across controller, service, and repository layers.

Portfolio Analytics System: Built production-grade microservices system using Go, Kafka (Redpanda), and PostgreSQL demonstrating enterprise distributed systems architecture. Implemented separate producer service (HTTP REST API) and consumer service (background worker) with Kafka message queue for decoupled, scalable event processing. Deployed on Railway with independent service scaling, SASL/TLS authentication for secure message transport, and environment-based configuration management. Demonstrates key enterprise patterns: microservices architecture, asynchronous processing, event-driven design, and reliable message delivery for high-volume transaction processing.

TickerAI: Built AI-powered stock analysis platform using Next.js, TypeScript, and LangChain with autonomous agent architecture. Implemented GPT-5 agent using ReAct pattern to independently select tools for fetching real-time market data, news sentiment, and technical indicators via Massive API. Developed type-safe full-stack application with tRPC, interactive charts, and two-layer input validation to optimize API costs.

FAT32 File System Implementation: Implemented complete FAT32 file system interface in C with directory navigation, file operations, and cluster management. Developed command-line shell supporting 8+ commands (ls, cd, open, close, read, lseek) with concurrent file operations. Engineered cluster chain traversal and binary data processing for robust low-level file system interactions.

Technical Skills

Languages: Java, Python, TypeScript, JavaScript, SQL, Go, C/C++, Swift, HTML/CSS
Backend & Data: Spring Boot, REST APIs, Kafka, PostgreSQL, Microservices, Event-Driven Architecture, Hibernate/JPA, FastAPI, Flask, Node.js, Express, MongoDB, SQLite, tRPC, Prisma, LangChain, OpenAI API
Frontend: React, React Native, Next.js, Expo Router, Streamlit, Tailwind CSS
Tools & Platforms: Git, Docker, GitHub Actions, CI/CD Pipelines, AWS, Railway, Linux, Postman, JUnit, Mockito, Maven, pytest