

Ethan Borkosky

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PROFESSIONAL SUMMARY

Full-stack software engineer with 5+ years of professional experience building scalable web applications, prediction engines, and data-driven tools. Proficient across the entire development lifecycle — from backend architecture and API design to complex, interactive frontends. Experienced with modern frameworks including Angular, React, Django REST, .NET, and Node.js, with a strong foundation in clean architecture, relational data modeling, and agile workflows.

TECHNICAL SKILLS

Languages	JavaScript / TypeScript, Python, C#, PHP, Dart, HTML5, CSS
Frameworks	Angular, React, .NET, Django REST, Node.js, Flutter, Ionic, Laravel
Databases	MySQL, PostgreSQL, NoSQL, Firebase Firestore
Tools & Cloud	Git, GitHub, Docker, Digital Ocean, Firebase, Google Cloud Platform
Practices	Clean Architecture, REST API Design, Agile / Scrum, CI/CD

PROFESSIONAL EXPERIENCE

Software Engineer • TalentValue Inc. *July 2020 – January 2026*

Frontend: Angular, Ionic, React (Vite / DaisyUI) | Backend: Django REST, Node.js, MySQL, Firebase

- Built and maintained a compensation intelligence platform used to evaluate pay for thousands of roles across 40,000+ companies, leveraging real-time MarketValue prediction data.
- Led end-to-end development of the core MarketValue calculator ("Search") — the product's primary feature — enabling compensation analysis by role, company stage, valuation, location, market space, and headcount.
- Designed and implemented server-side PDF report generation using Node.js and SendGrid, automating report delivery directly to users.
- Ingested and normalized public H-1B compensation and hiring range data from raw CSV datasets using Python, integrating them into the MySQL prediction model and measurably improving accuracy for individual contributor roles.
- Architected Market Tracker, a complex "smart spreadsheet" UI feature enabling team- and department-level compensation benchmarking, balancing high interactivity with clear data presentation.
- Developed Node.js Firebase Cloud Functions supporting backend automation, including email workflows, report sharing, and server-side processing.
- Replaced a legacy prediction system by architecting a new Python/Django REST service with modular architecture, redesigned relational MySQL schemas, and optimized query performance for batch prediction workloads.

PERSONAL PROJECTS

Lumenform — Cohort management app for Catholic OCIA/RCIA faith formation programs

Stack: .NET 9 Web API · Supabase (PostgreSQL + Auth) · Next.js · Mantine UI · React Native (planned)

- Building a full-stack parish management tool as both a portfolio piece and a free service for Catholic communities.
- Implemented Clean Architecture with domain-driven models for cohorts, memberships, assignments, and events, along with JWT authentication and role-based access control.
- Developed a responsive Next.js dashboard with tabbed navigation and real-time API integration.

Comfort Compass — Accessibility-focused mobile app for personalized activity discovery

Stack: Flutter · .NET (C#) · Python microservices · Google Places API

- Designed and built Atlas-Core, a .NET API serving as the system's central data and orchestration layer, with versioned schemas and structured service contracts.
- Built Atlas-PlaceSync, a Python microservice that ingests and translates Google Places data into standardized schemas consumed by the core API.

EDUCATION

Awesome Inc. Web Development Bootcamp*Lexington, KY*

16-week, full-time bootcamp covering the complete web development lifecycle — from pseudocode to deployment — with a focus on agile development practices.

Transylvania University*Lexington, KY*

Music Technology & Computer Science