

Dustin Bovee

FULL STACK SOFTWARE ENGINEER

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• [linkedin](#) • [github](#) • [personal site](#)

TECHNICAL SKILLS • Python • JavaScript • React • Redux • HTML • CSS • Node.js • Express • Flask • SQL • SQLAlchemy • Sequelize • PostgreSQL • Docker • Render • RESTful APIs • Unit Testing • Mocha • Debugging • Databases • DS&A • Responsive Design • OOP • Data Visualization • SDLC • Data Analytics • Data Science • Predictive Analysis • Cloudinary • Data Cleaning • API Data Extraction • CRM Integration • Continuous Development • NumPy • Matplotlib • Pandas • Scikit-learn • Machine Learning

EXPERIENCE

Software Engineer • Contract - Freelance

VAS Dynamics LLC • Granger, IN | [Link](#)

09/2025 – present

- Provided exceptional full stack web design with well documented code and built core software architecture.
- Adhered to client's frontend wireframes to style and deliver custom React components and styles with pure css.
- Built custom forms that feature user uploads, google auth, captcha, and custom email automations.
- Designed an administrative dashboard with loads of functionality including analytics and measurement.
- Engineered a Python made web-scraper for testing and researching competition with secure data pipelines.
- Created a Blog Editor for creating SEO friendly blogs much easier and implemented a feature that allows admins to create and store blog content to the db using plain text or html, css and javascript code safely and easily.

Lake Life Services llc • Three Rivers, MI | [Link](#)

10/2024 – 05/2025

- Resolved API conflicts and assisted with the front end development in WordPress.
- Assisted in automating systems for optimal website and marketing performance by custom keywords and copywriting methods and utilizing google's tag manager.

PROJECTS

SNOW DASH | [Github](#) | [Live](#)

• React • Flask-SocketIO

- Shipped a real-time mobile first multiplayer game prototype with low-latency rooms and 16-player support.
- Built host-controlled session flow for structured sessions including ready states and round transitions.
- Architected multiplayer networking with WebSockets covering room lifecycle, input streaming and live state sync.
- Integrated a modular pixel-art asset pipeline for rapid seasonal reskins and visual clarity.
- Engineered a high-performance canvas rendering pipeline with dynamic camera/zoom and sprite asset management to keep gameplay smooth on mobile and desktop.

ARCANA ACADEMY | [Github](#) | [Live](#)

• Flask • Sqlalchemy • Gsap • Docker • Cloudinary

- Built a creator-first RPG platform with full crud functionality for spell, words, potions and player profiles with Cloudinary-hosted media and validation.
- Implemented a turn-based combat engine with action points, AI turns, and session recovery to demo gameplay.
- Crafted an animated GSAP landing experience with CTA modal added custom cursor/background effects for polish.
- Containerized the stack with Docker and production-ready build pipeline for deployment, enforced upload-type checks and unique filenames for media safety.

TRADE TOAD | [Github](#) | [Live](#)

• Polygon API • Coinbase Websockets • OpenSea • Re Charts

- Implemented ML price prediction service using scikit-learn, numpy, pandas to place buy/sell flags on candle/line charts with confidence. Exposed trained predictions via Flask API with a heuristic fallback.
- Wired in RESTFUL API routes to handle data requests and responses sent to the defined relational database.
- Integrated live crypto market data using Polygon REST with Coinbase Advanced Trade Websockets
- Added Pytest and Vitest/react testing lib for automated fullstack testing to ensure quality assurance.
- Built NFT Trading Lab that proxies OpenSea. Supporting collection browsing, and price parsing for assets.

EDUCATION

Coursera / IBM • Machine Learning with Python / AI Engineering pathway

Completed 08/2025

App Academy • Full Stack Software Engineering

Completed 05/2025

Grow With Google • Digital Marketing & e-commerce

Completed 01/2024

Glen Oaks Community College • Associates of General Studies (Transferable) • Centreville, MI

Completed 05/2023