Benjamin Zlatin

Scarsdale, NY, 10583 | 914.268.7037 | btzlatin@gmail.com
GitHub | LinkedIn | Portfolio | Active Secret Clearance

EDUCATION

University of Delaware
Bachelor of Science in Computer Science, Sept 2022 - May 2026
GPA: 3.53 / 4.00
Coursework: Advanced Web Technologies, Database Systems, Secure Software Design, Web Applications Security

EXPERIENCE

AI Agent Software Engineer Externship | IBM   **Aug 2025 - Present**
- Designed and implemented NLIP-compliant backend agents within a multi-agent Swarm architecture, supporting AI workflows targeted for agricultural decision-making across East Africa (Uganda, Tanzania, Kenya).
- Built an AI speech-to-text agent using Whisper and OpenAI models, enabling high-accuracy transcription of multilingual field audio to support farmer and agronomist data collection.
- Helped set up core infrastructure for local agent execution, including request routing, tool definitions, and coordinator-to-agent interfaces.

Software Engineer Intern | SciTec   **May 2025 - Aug 2025**
- Collaborated on advanced missile defense solutions, performing trajectory analysis and refining system parameters for optimized threat interception outcomes.
- Spearheaded analytical evaluations of 12 interceptor parameters across seven operational scenarios, pinpointing key sensitivities affecting threat interception range and providing actionable insights to senior engineers.
- Optimized and parallelized physics-based algorithms, reducing runtime by 75% (from 40 minutes to 10) through multithreading and early-exit conditions.
- Developed and tested a new analytical feature to simulate and visualize missile trajectories using Python.
- Engineered and presented software implementation strategies, influencing system architecture decisions.

Software Developer | University of Delaware CIS   **Feb 2025 - May 2025**
- Developed and maintained the UD CIS Discord Bot, a full-stack web application utilizing TypeScript, MongoDB, and Google OAuth serving 4,000+ students and faculty.
- Implemented a Discord calendar feature integrating UD Computer Science course data for students and faculty..

Full Stack Software Engineer Intern | EmberQA (Pivoted from RingFlare)   **May 2022 - Aug 2023**
- Engineered full-stack web and mobile applications with ReactJS, Node.js, and Electron, enhancing communication across 900+ facilities and improving client interactions in call centers.
- Refined the user interface (UI) and user experience (UX) of web and mobile applications based on time-sensitive client beta testing, leading to enhanced usability and a seamless end-user experience.
- Improved client onboarding to reduce training times from 3 weeks to 5 hours.

PROJECTS

Founder & Lead Software Engineer — Push/Pull Fitness App (push-pull.app)   **Nov 2025 - Present**
- Built a full-stack, cross-platform fitness application with live workout tracking, progress history, and social squad features using React Native, Next.js, Express.js, and PostgreSQL.
- Grew to 500+ users in two weeks with 1,000+ workouts logged, demonstrating strong early adoption.
- Integrated AI-powered workout generation and independently owned system architecture, implementation, deployment, and iteration as a solo founder.

SKILLS & CERTIFICATIONS

- **Certifications**: Microsoft Azure AI Fundamentals (AI-900)
- **Technical Skills**: JavaScript, TypeScript, Python, Pandas, NumPy, C++, Java, HTML, CSS**,** Git, React, Node.js, Next.js, Express, Nest.js, Prisma, PostgreSQL, MongoDB, Agile, AI Agents, RESTful API.