

# Maximus Beato

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## EDUCATION

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### Purdue University

Bachelor of Science in Computer Science

West Lafayette, IN

Expected May 2026

## EXPERIENCE

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### VertikalX

AI-powered athlete sponsorship platform (seed-stage startup)

Chief Technology Officer

May 2025 – Present

West Lafayette, IN – Remote

Nov 2025 – Present

- Own end-to-end development serving **60+ athletes globally**, leading 3 engineers across **Node.js/NestJS/GraphQL** backend (250+ queries/mutations) and **React/TypeScript/Next.js** frontend with daily production deploys
- Built and maintained third-party **integrations** with Strava (OAuth + webhooks), Instagram (OAuth + metrics), **Stripe** (Connect, checkout, webhooks), and AWS Cognito, each with dedicated REST controllers and error handling
- Built full-stack **campaign management**: **TypeORM** models, GraphQL API, **Redis**-backed job scheduling, audience segmentation with composable query builders, and analytics dashboards
- Rebuilt **CI/CD** from manual builds to 5-stage **GitLab** pipeline with **Docker** BuildKit, parallel **Jest** testing (47 specs against real PostgreSQL), and automated **Kubernetes** deployments (self-managed via **kops** on EC2), cutting deploy from 3+ hours to under 15 minutes

Senior Full Stack Software Engineer

Aug 2025 – Nov 2025

- Built public-facing **marketplace discovery**: multi-faceted filtering, data visualizations with **Recharts**, personalized offer matching with eligibility scoring, and paginated infinite-scroll feeds with **SWR**-based caching

Software Engineering Intern

May 2025 – Aug 2025

- Built **backend services** for authentication, **Stripe** payment onboarding, and transactional workflows, plus data-driven **React** components with unit/integration tests gating CI/CD

### DocReserve – Early-stage startup

Founding Engineer

Boston, MA – Remote

Jan 2024 – Oct 2024

- Delivered end-to-end features with full ownership: **Prisma** data modeling, API design, **React/TypeScript/MUI** frontend with calendar UX, and **Docker**-based development and deployment for a healthcare platform

## PROJECTS

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**APIMesh** | [apimesh.xyz](https://apimesh.xyz)

Oct 2025 – Present

- Built and self-deployed **23+ production APIs** handling **1,000+ req/day** at **99% uptime** on **Bun/Hono** with subdomain routing, **Caddy** reverse proxy, **SQLite** analytics, and staging/production environments on **Hetzner**
- Full user platform: **Argon2id** auth, **Stripe** billing (4 tiers), API key management, **MCP server** exposing 16 tools for AI agents, and real-time analytics dashboard with revenue charts and audit logs

**Tonos – Voice Profile API** | [tonos.fyi](https://tonos.fyi)

Mar 2026 – Present

- Built and launched a voice profile API: two-pass **Claude** pipeline extracts 16-dimension voice profiles from writing samples, agents call the API to generate voice-matched messages — **Bun/Hono**, **PostgreSQL**, **Stripe** billing, **OAuth2**
- Built **MLOps** pipeline: **LLM-as-judge** eval scoring, **A/B testing** with pairwise comparison, automated **prompt optimization** (5 mutation strategies), **RAG** with **Voyage AI** embeddings and **pgvector**, feedback-driven profile refinement
- Shipped **MCP server** (7 tools) for AI agent integration, **HTMX** UI, admin dashboard, and 63 tests including 10 OWASP security suites

## TECHNICAL SKILLS

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**Languages:** TypeScript, JavaScript, Python, SQL, C/C++

**Frameworks:** React, Next.js, Node.js, NestJS, Hono, GraphQL, React Native, Tailwind CSS

**AI/ML:** Anthropic Claude (structured outputs, Zod), RAG (Voyage AI, pgvector), LLM-as-judge eval, A/B testing, MCP

**Data/Infrastructure:** PostgreSQL, TypeORM, Drizzle ORM, Redis, Prisma, Docker, Kubernetes, Bun, SQLite

**Cloud/Services:** AWS (EC2, S3, Lambda, Cognito, WAF), Stripe, Vercel, GitLab CI/CD, OAuth 2.0