Isaac Edwards

Software Engineer

+918 889 5552 | 946 E 61st APT 12H, Tulsa OK 74136 | isaactheedwards@email.com | Portfolio

Full-stack developer with a strong foundation in both Front-end/Back-end Development. Proven ability to build scalable applications, design and craft efficient RESTful APIs, and manage complex database operations, While also striving to integrate high performance and robust codebases. Eager to join a collaborative team to contribute and solve issues to make a more productive and efficient product. Seeking a collaborative environment to contribute expertise in problem-solving, thereby fostering a more productive and efficient product.

Skills

- JavaScript/TypeScript, Node.js, React, Python
- PostgreSQL, Redis, Kafka; Docker, Kubernetes, Next.js, Vercel
- GitHub Actions/GitLab CI, Google Suite
- TDD, code reviews, trunk-based development

Employment History

Back-End Engineer — Wurdo Capstone, Education(2025–Present)

- Implemented communication between Machine Learning via JSON API Requests (React + Node + Python + Redis), low-latency -300 ms lookup time using Redis hash/caching features for storage. cut P90 latency by 70% from static Postgres lookup.
- Built 3+ microservices (Node/Express, Redis) one being a batched cache stash for Redis to create a constantly learning ML Word Model and reducing server load and network bottlenecks by 90%.
- Implemented CI/CD with trunk-based dev; deploys scaled from weekly to 5-15/month; change failure rate <3%.

Front-End Developer — Cinema Guru, Education(2025–2025)

- Optimized backend queries (NeonDB) improving API response times over 80% by indexing key search columns and implementing pagination. Reduced server load by 45% through connection pooling and query batching.
- Built reusable, type-safe components (TypeScript) reducing runtime errors by +90% compared to untyped prototypes. Components were modularized for reuse across 3+ local projects.
- Implemented OAuth 2.0 authentication (NextAuth) cutting login friction by 60% via pre-validated sessions and token-based auth. Auth flow was tested across 3 mobile OSs with 98% success rate.

Front/Back-End Engineer —PortFolio, (2023–Present)

- Designed and built a full-stack personal development platform that handles 100+ concurrent monthly users reducing average page load time by 65% through code-splitting, lazy loading, and optimized asset delivery
- Implemented responsive, user-centric UI, increased time-on-page by 40%, during A/B testing by using progressive enhancement and micro-interactions.
- Built a blog site with full CRUD functionality, server uploads completed in <1s, even for 10MB+ files. thanks to optimized form batching, chunked uploads, and real-time progress tracking

Education

B.S Equivalent in Computer Science, Atlas School.

Google Data Analytics

Scrum Fundamentals Certified.