

SUMMARY

Full-stack engineer with **3+ years of experience** building and shipping **AI-powered products** end-to-end. Expert in **Next.js/React frontends, Python/Django backends, and LLM integrations** with proven track record shipping features across **4 product pivots** in fast-paced startup environments. Strong in **full-stack development, RAG systems, real-time architectures, cloud infrastructure**, and translating complex AI workflows into intuitive user experiences.

PROFESSIONAL EXPERIENCE

LEGISIMPLE **MONTREAL, CANADA**
JULY 2024 – FEB 2026
Full-Stack Engineer (Founding Engineer)

AI-native legal-tech startup building research and workflow automation tools for law firms.

- **Built and shipped complete AI-powered products** across **4 major pivots** in 9 months, developing **Next.js/React frontends, Python/Django backends, and Azure OpenAI integrations** for legal research, case analysis, and workflow automation, demonstrating rapid product iteration in fast-paced startup environment.
- **Architected end-to-end RAG pipeline** for legal case law retrieval, building scalable **document ingestion, NLP parsing, vector search** (Pinecone, Azure AI Search), **LLM integration** (OpenAI GPT-4), and **semantic retrieval** serving **120k documents** with **87% accuracy** and **sub-second latency**, handling full stack from data processing to user interface.
- **Designed and implemented real-time AI dashboard** using **Next.js, React, Azure SignalR/WebSockets, and Python async processing** (Celery), enabling lawyers to monitor AI-powered legal research jobs with **sub-second UI updates, progress tracking, and human-in-the-loop validation** for AI-generated insights.
- **Built sophisticated state management** for complex AI workflows using **Zustand and Redux**, managing **multi-step legal research flows, real-time AI job status, user feedback loops, and document annotations** across multiple interconnected React components.
- **Developed AI-powered research interface** with **human-in-the-loop validation**, designing UX for reviewing **LLM-generated legal citations, case summaries, and research recommendations**, enabling lawyers to validate, edit, and approve AI outputs before finalizing legal documents.
- **Implemented model evaluation** on **Vertex AI**, building feedback loops from user corrections to improve RAG retrieval quality from **82% → 87%**, demonstrating full ownership of AI product lifecycle from user feedback to model improvement.
- **Optimized full-stack performance** by implementing **Redis caching, SQL query optimization, lazy loading, code splitting, and API response compression**, reducing page load times by **30%** and memory usage by **25%** while maintaining seamless UX for AI-powered features.
- **Deployed production infrastructure** on **Azure** using **microservices architecture** with **App Services, Azure SQL, Durable Functions, VNets, and Application Insights**, implementing **CI/CD pipelines, Docker containerization, Kubernetes orchestration, automated testing, monitoring, and cost optimization** to maintain **99.9% uptime** for AI-powered legal platform.

KEYWORDS STUDIOS **MONTREAL, CANADA**
JUN 2023 – JUL 2024
Functional Quality Assurance

Global gaming and software QA company providing functional testing, localization, and quality assurance services.

- **Performed comprehensive full-stack testing** across **web applications, mobile apps, and AI-powered products**, validating **frontend UI/UX, backend APIs, database operations, AI model outputs, and end-to-end user workflows** to ensure production quality across entire application stack.
- **Conducted UI/UX testing and validation for responsive designs, cross-browser compatibility** (Chrome, Firefox, Safari, Edge), **mobile responsiveness** (iOS/Android), and **accessibility standards** (WCAG), identifying and documenting **200+ UI/UX issues** with detailed reproduction steps.
- Tested backend services and APIs including **RESTful endpoints, data integrity, error handling, SQL operations, data pipeline validation**, and AI/ML feature integration, ensuring reliability and consistency across full application architecture.
- **Collaborated with cross-functional teams** using Jira and Bugzilla to document bugs, communicate with developers and designers, prioritize issues, and ensure timely resolution of critical defects across frontend, backend, and AI components before production releases.

- **Developed and deployed RESTful APIs** using **Python** and **Node.js** to power internal React applications, implementing **MySQL query optimization** and **database indexing** strategies that improved response times by **~10%** and page-load performance by **~20%**.
- **Built database-backed defect tracking system** and debugged complex production issues across backend services, improving overall system **stability** and **QA effectiveness** by **~40%**, while managing **CI/CD pipelines** and deployment infrastructure for **5 web applications on Heroku**, optimizing resource allocation to reduce **hosting costs** by **~15%** and improve release reliability.

EDUCATION

CONCORDIA UNIVERSITY
Master of Science in Applied Computer Science

MONTREAL, CANADA
SEPT 2022 – APR 2024

GEETANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY
Bachelor of Technology in Computer Science

HYDERABAD, INDIA
JUNE 2016 – SEPT 2020

TECHNICAL SKILLS

- **Frontend & UI Development:** Full Stack Development, Web Development, Next.js, React.js, TypeScript, JavaScript, HTML/CSS, Tailwind CSS, responsive web design, mobile-first design, state management (Zustand, Redux), component architecture, real-time UI (WebSockets, SignalR), lazy loading, code splitting
- **Backend & APIs:** Python, Django, Flask, FastAPI, Node.js, Express.js, RESTful APIs, GraphQL, API design, API integration, microservices, system design, async processing (Celery), serverless functions (Azure Durable Functions), API optimization
- **AI & LLM Integration:** OpenAI API (GPT-4), Azure OpenAI, LLM integration, Retrieval-Augmented Generation (RAG), prompt engineering, human-in-the-loop workflows, AI-powered features, model evaluation, feedback loops
- **Vector Search & Embeddings:** Vector databases (Pinecone, Azure AI Search), embedding generation, semantic search, hybrid search, document retrieval
- **Cloud & Infrastructure:** AWS, Azure (App Services, Azure SQL, Durable Functions, VNet, Azure OpenAI, Application Insights, SignalR), Docker, Kubernetes, CI/CD (GitHub Actions), infrastructure as code, monitoring & observability
- **Data & Databases:** Azure SQL, PostgreSQL, MySQL, MongoDB, Neo4j, database design, query optimization, indexing strategies, Redis caching, data modeling, ETL pipelines
- **Performance & Optimization:** Performance optimization, caching strategies (Redis), query optimization, lazy loading, code splitting, API response compression, memory management, cost optimization
- **Product & Collaboration:** Product development, rapid prototyping, Agile/Scrum methodologies, sprint planning, user feedback integration, A/B testing, product analytics (Mixpanel, PostHog), cross-functional collaboration
- **Testing & Quality:** Jest, React Testing Library, pytest, unit testing, integration testing, E2E testing, test-driven development (TDD), QA best practices, bug tracking (Jira)
- **Development Tools:** Git, GitHub, VS Code, Jupyter Notebooks, Azure DevOps, Chrome DevTools, Postman
- **Data Engineering & NLP:** Document parsing, NLP, data ingestion pipelines, data preprocessing, chunking strategies, metadata extraction