Dhara Patel

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SUMMARY

Motivated entry-level Software Engineer transitioning from data analytics, driven by a love for problem solving and building impactful, tech-powered solutions. Skilled in Python, SQL, and web technologies, with hands-on experience developing scalable systems and tackling real-world data challenges. Adept at identifying inefficiencies and merging analytical insight with user-focused engineering. Excited to contribute to an impact-driven team where curiosity, innovation, and continuous learning thrive.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, TypeScript, HTML, CSS
Frameworks/Libraries: React, Node.js, Next.js, Express, Django, FastAPI,
Databases/DB Tools: PostgreSQL, Supabase, Prisma, Elasticsearch, Pinecone, Relational Databases
Tools & Technologies: Git, Jira, REST APIs, JWT, Docker, AWS, Hugging Face,

PROJECTS

AI Chatbot *(FastAPI, Elasticsearch, Pinecone – Jan 2025)*
- Developed a FastAPI backend with structured endpoints, scalable design, and comprehensive documentation.
- Engineered ETL pipelines to ingest, preprocess, and index legal text, enabling lightning fast vector and keyword search.
- Automated embedding generation & RAG workflows with BERT-based reranking, **boosting answer precision by 30%.**

Real-Time Payments API *(Django, PostgreSQL, JWT – Jan 2025)*
- Developed a secure payments service with JWT authentication, structured PostgreSQL schemas, and robust CRUD functionality, backed by full test coverage and documentation.

PROFESSIONAL EXPERIENCE

Backend Software Engineer | Game Payy (Freelance)   *Nov 2024 - Present*
- Built and maintained scalable backend and data infrastructure using Next.js, PostgreSQL, and Supabase, transforming specs into production-ready features.
- Diagnosed and resolved performance bottlenecks, **reducing system downtime by 20%.**
- Designed secure, structured data flows between services, setting the stage for analytics integration.
- Updated and optimized legacy codebases with enhanced testing, security measures, and documentation.

Fixed Income Data Analyst | Bloomberg LP - Global Data   *Aug 2022 - Jan 2024*
- Developed and maintained **15+ ETL** workflows monthly, automating data ingestion & financial manipulation that feed the analytics and reporting of mortgage security cash flow models on the Bloomberg Terminal (Python).
- Resolved pipeline failures, **reducing manual triage by 30%** through root-cause analysis, and robust scripting solutions.
- Collaborated with mortgage asset and engineering teams to troubleshoot and maintain mission-critical data pipelines.

E-commerce Business Owner | Independent Seller on Amazon   *July 2017 - Aug 2019*
- Utilized data-driven pricing strategies and inventory management techniques to optimize turnover and forecast profitability, **generating over $60,000 in revenue.**

EDUCATION

Bachelor of Arts in Economics   *April 2022*
Rutgers University, New Brunswick, NJ
Software Engineering Program at Fullstack Academy   *May 2024 - August 2024*
Over 800 hours of immersive full-stack development training.
Google Data Analytics Certificate & Bloomberg Market Concepts Certificate   *September 2022*