

Alec Patterson

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EXPERIENCE

Junior Software Developer	Apr 2025 – Present
<i>Johnson & Johnson Inc.</i>	<i>St. Petersburg, FL (Remote)</i>
<ul style="list-style-type: none">Develop and maintain T-SQL stored procedures and database functions supporting Motion's Flood and High Value Homes rating platform.Enhance system reliability with debug logging, new database tables, and versioned schema changes to meet compliance and audit needs.Maintenance on Telerik reports and PDF delivery via Azure Blob Storage.	
Data Migration Specialist	Jan 2020 – Present
<i>Enumerate (formerly TOPS Software)</i>	<i>Clearwater, FL (Remote)</i>
<ul style="list-style-type: none">Developed & deployed a Python automation tool that cut manual data validation time by 50%.Reduced file transfer size by up to 90% through a custom JavaScript filter, accelerating enterprise data migration.Accelerated data-migration workflows by standardizing procedures and removing non-essential steps, reducing time-to-value from 90 days to 60 days.	
Project Manager: Customer Onboarding	Nov 2017 – Dec 2019
<i>TOPS Software</i>	<i>Clearwater, FL (On-Site)</i>
<ul style="list-style-type: none">Coordinated 3–10 customer onboarding projects/month, migrating from a desktop application to SaaS platform.	
Customer Support Specialist	Oct 2013 – Oct 2017
<i>TOPS Software</i>	<i>Clearwater, FL (On-Site)</i>
<ul style="list-style-type: none">Conducted advanced troubleshooting for software issues and partnered with engineering to document and fix bugs.	

EDUCATION

University of Florida, College of Liberal Arts and Sciences	Gainesville, FL
Bachelor of Science in Computer Science GPA: 3.95	Dec 2024

SKILLS

Languages/Frameworks: SQL, Python, JavaScript (React/Node), HTML/CSS, GraphQL, Java, C++, C#

Databases: Microsoft SQL Server, PostgreSQL, MongoDB, Oracle SQL, Supabase

Cloud & DevOps: Linux, AWS (EC2), Oracle OCI, MongoDB Atlas, Vercel, Docker

Developer Tools: Git, Jira, Visual Studio, VS Code, MSSMS, IntelliJ, Postman, Claude Code, Co-pilot with GPT-5

PROJECTS

Tech Wizard - Career Portfolio Website <i>React, Next.js, Tailwind CSS, Three.js, Framer Motion</i>	Feb 2025
<ul style="list-style-type: none">Interactive portfolio website at AlecBytes.com, with intuitive UI and engaging animations.Integrated a GPT-powered chatbot using RAG techniques to respond accurately to questions about Alec.Leveraged generative AI to create and texture personalized 3D assets from photos, enriching the site's visual appeal and interactivity.AlecBytes.com github.com/AlecBytes/portfolio	
InterviewGPT: Ask Alec Questions <i>Next.js, Python, OpenAI API, PostgreSQL, DrizzleORM</i>	Mar 2025
<ul style="list-style-type: none">Wrote Python scripts to convert personal information from YAML files into vector embeddings using the OpenAI API, enabling accurate retrieval-augmented responses.Customized chatbot interactions by fine-tuning prompts and continuously updating embeddings, improving the chatbot's performance and responsiveness.Enhanced user experience with smooth real-time streaming interactions utilizing Vercel AI SDK and Framer Motion animations.AlecBytes/chatbot github.com/AlecBytes/rag-chatbot-alec	