Joshua Jarabek

Full-Stack Software Engineer

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Summary

Innovative and driven professional with a strong background in computer science, sales, and entrepreneurship. Proven track record of success in sales roles and a passion for developing cutting-edge technology solutions. Skilled in full-stack web development and building scalable applications using modern technologies.

Education

Bachelor of Science in Computer Science, Western Governors University – 2022

Bachelor of Business Administration in Marketing, Texas Tech University – 2018

- Minor in Philosophy
- Member of Delta Sigma Phi fraternity

Experience

Founder, Parakeet

March 2023 – Present

- Developed an AI-powered EdTech platform for higher education, incorporating automated note-taking, context-aware intelligent assistants, and AI grading for rubric-based assignments using advanced machine learning techniques.
- Built a scalable web application using SvelteKit (Node.js), optimizing performance through efficient coding practices and framework capabilities.
- Implemented an audio/video processing farm using FFMPEG and Python, enhancing lecture AV processing and streaming efficiency with robust scripting and automation.
- Designed and developed backend microservices, including authentication/authorization APIs and virus scanning using FastAPI, ensuring secure and reliable service architecture.
- Utilized RabbitMQ clusters for task queues and messaging between microservices, implementing a robust and scalable messaging system.
- Employed Kubernetes on Azure VM Scale Sets for canary deployments and high availability, integrating GitHub Actions for seamless CI/CD pipelines.
- Implemented Redis clusters for cache management and NGINX for web servers, optimizing data retrieval and server performance.
- Utilized Azure Blob Storage for secure file storage and MongoDB and MySQL for database management, ensuring scalable and efficient data handling.
- Followed best practices for OOP design patterns and used Docker for containerization, enhancing modularity and deployment efficiency.

Senior Marketing Consultant, MultiView

February 2020 – November 2020

- Achieved top-performing sales status by effectively selling newsletter ad placements to small businesses in B2B newsletters through targeted outreach and personalized sales strategies.
- Managed the entire sales process, from cold calling to closing deals, by implementing strategic sales techniques and maintaining a high conversion rate, consistently exceeding sales targets.

Sales Development Representative, Hewlett Packard Enterprise

March 2019 – November 2019

- Collaborated with partners such as CDW and SHI to secure high-value meetings for Account Executives in the Northern California territory by leveraging strong relationship-building skills and targeted outreach.

- Specialized in storage solutions, including Nimble storage, while also successfully booking meetings for servers and networking products through deep product knowledge and persuasive communication.

- Consistently achieved monthly sales targets by developing and executing effective sales strategies, maintaining a thorough understanding of product offerings, and fostering strong client relationships.

Skills

Full-stack web development: Svelte, Node.js, SvelteKit, Azure, HTML/CSS, JavaScript/TypeScript

Backend development: Node.js, FastAPI, Python, RabbitMQ, Kubernetes, Redis, NGINX

Cross-platform desktop application development: Tauri, Rust

Database management: MongoDB, MySQL, PostgreSQL, SQL

Other skills: Sales and marketing, Project management, GitHub Actions (CI/CD), Docker, OOP design patterns

Certifications

CompTIA Project+