Jacob Rushinski

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Education

Thaddeus Stevens College of Technology   Expected May 2026

Associates of Science in Computer Software Engineering Technology GPA: 3.52 / 4.00   *Lancaster, PA*

- **Relevant Coursework:** Database Management Systems (SQL), API Development & Integration, Object-Oriented Design & Architecture, Secure Software Development, Database Design & Modeling, Data Structures, Server-Side Development (Python), JavaScript Development, Frontend Development

Experience

Realdealkickzsc   Nov 2025 – Present

Contract Full-Stack Software Engineer   *Remote*

- Reduced infrastructure costs by 58% by replacing Shopify with a custom-built Next.js platform leveraging Supabase, Upstash Redis, AWS SES, and Vercel while maintaining production reliability.
- Designed and implemented a layered e-commerce architecture spanning 60+ API routes with transactional order processing, Stripe and Shippo webhook signature verification, and idempotent event persistence, achieving a 100% order success rate with zero duplicate charges or inconsistent order states.
- Optimized storefront performance and server-side request handling, supporting a projected 16%+ increase in annual user sessions.
- Maintained 100% uptime during deployments by implementing GitHub Actions CI/CD with automated migration validation, build verification, and post-deploy health checks.
- Designed an automated product title parser and tagging system, reducing product publishing workflow steps by 33% compared to the previous platform.
- Built a centralized request proxy pipeline enforcing CSRF protection, Upstash rate limiting, and MFA-based admin guardrails, securing 100% of authenticated and admin endpoints with zero unauthorized access incidents.

Giant Food Stores   May 2022 – Present

Giant Direct Facilitator & Seafood Associate   *Harrisburg, PA*

- Led high-volume Giant Direct fulfillment operations processing 400+ unit orders during peak demand periods while training and onboarding new associates to maintain efficiency, accuracy, and customer satisfaction.

Projects

Discord Title Automation Bot | GitHub | *Javascript, MongoDB, ADBKit, Tesseract.js*   Jan 2025 – Mar 2025

- Orchestrated a Discord-to-device automation pipeline that mapped Discord user IDs to MongoDB player records and executed queued title requests via scoped ADB interactions, reducing manual title assignment time from 1 minute to 5 seconds and eliminating manual intervention.
- Implemented image-based UI state detection to resolve multiple layout variants and variable player card positioning, achieving a 95% success rate in selecting the correct in-game button and ensuring the intended action is executed.
- Engineered a role-based bucket queue system with serialized execution and cooldown enforcement, achieving 100% conflict-free task processing and eliminating race conditions across sessions.

Discord Automation & Moderation Bot | GitHub | *Javascript, Discord.js, MongoDB*   Oct 2024 – Jan 2025

- Engineered and launched a modular, event-driven Discord bot on 8 servers serving 900+ members, coordinating with admins to consolidate multiple single-purpose bots and reduce setup time by 40%
- Reduced moderator workload by 60% through streamlined ticketing workflows and archiving 1000+ transcripts using GitHub Gist integration with MongoDB fallback persistence.
- Developed a verification system that screened 500+ new members in 2 months, reducing raid/bot entries by 100% and protecting community integrity.

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, PHP, C++, SQL, HTML, CSS
Technologies: Node.js, Next.js, React, Supabase, PostgreSQL, MongoDB, Stripe, Shippo, Upstash Redis, AWS SES, Discord.js, ADBKit, Tesseract.js, Sharp, Pixelmatch, Docker, Git, GitHub Actions, Vercel
Concepts: REST API Design, Authentication & Authorization, RBAC, Row-Level Security, Rate Limiting, CSRF Protection, Webhook Processing, Idempotency, Transactional Integrity, Queue-Based Processing, Concurrency Control, Event-Driven Architecture, CI/CD, Secure Secrets Management