

Jason Conklin

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Early Career Software Engineer

SUMMARY

Early-career Software Engineer and Computer Science graduate with hands-on experience building and operating production-ready web applications. Experienced in full-stack development using React, TypeScript, Node.js, Python, and SQL, with a focus on APIs, data ingestion, automation, and system reliability. Comfortable owning features end-to-end, collaborating across teams, and delivering maintainable software in CI-driven, production environments.

EDUCATION

Bachelor of Science in Computer Science

Graduated May 2025

NJIT - New Jersey Institute of Technology

Newark, NJ

- Relevant Coursework: Operating Systems, Computer Systems, Database Systems, Networking Fundamentals

TECHNICAL SKILLS

Languages: Python, SQL, Java, JavaScript, TypeScript, Bash, C++, HTML/CSS, YAML/JSON

Frameworks & Tools: React, Node.js, Flask, Git, Linux, CI/CD, Docker (development), PostgreSQL, MongoDB, Supabase, Render

Systems & Concepts: REST APIs, Relational Databases, Cloud Fundamentals (AWS/GCP), Monitoring & Alerting, Debugging, Linux Administration

PROJECTS

- GiftPerch (giftperch.com) — AI-Powered Gifting Workspace | Full Stack Developer | Fall 2025**
 - Built a Next.js + Supabase platform generating personalized gift recommendations from reusable recipient profiles.
 - Designed REST APIs and database schemas to manage users, profiles, budgets, and gift history.
 - Implemented feedback loops (saved, liked, disliked items) to improve future recommendations and avoid repeats.
 - Delivered a responsive dashboard, occasions calendar, and PerchPal chat workflow with production-ready UI components.
- Applictus (applictus.com) — Automated Job Application Tracker | Full-Stack Developer | Winter 2026**
 - Built a production web application that integrates with Gmail via OAuth to automatically detect, classify, and track job application updates.
 - Designed and implemented an email ingestion pipeline to parse messages, deduplicate events, and infer application lifecycle states.
 - Implemented secure authentication, session management, and encrypted OAuth token handling using Supabase and Google OAuth.
 - Delivered a responsive dashboard with application pipelines, timelines, sync status, and user-managed account integrations.
- StateStats (statestats.us) — U.S. State-Level Data Explorer | Full Stack Developer | Fall 2025**
 - Built an interactive data platform visualizing state-level economic and workforce metrics with choropleth maps and time-series charts.
 - Designed a Prisma + PostgreSQL ingestion pipeline enabling efficient querying and cross-state, time-based comparisons.
 - Implemented dynamic visualizations with D3.js and responsive UI components using Next.js, React, and Tailwind.
 - Deployed a production-ready analytics dashboard with clean UX for filtering, comparisons, and metric drill-downs.
- AutoScale CIRM — Cloud Infrastructure Monitoring & Alerting Tool | Full Stack / DevOps Developer | Summer 2025**
 - Built a cloud resource monitoring system collecting CPU, memory, and network metrics across environments using scheduled Python jobs.
 - Designed a backend alerting pipeline with historical trend analysis and threshold-based notifications via Slack and SMTP.
 - Implemented a modular Flask API with SQLAlchemy persistence and a real-time React dashboard for operational visibility.
 - Focused on reliability and observability by validating metrics, handling anomalies, and surfacing actionable insights.

EXPERIENCE

Operations & Logistics Assistant

May 2023 - Jan 2025

Good Tidings Plumbing Heating Cooling

Clark, NJ

- Coordinated daily logistics for an 8-person warehouse team, ensuring materials and equipment met scheduled project demands.
- Maintained and audited digital inventory systems for real-time tracking and error reduction.
- Used spreadsheets and internal tracking tools to manage workflows, improving team communication and efficiency.
- Ensured safety compliance and consistent procedures aligned with company and OSHA standards.

EXTRACURRICULAR & VOLUNTEER

- Volunteer Tutor — NJIT Coding & Tech Tutoring | Sep 2023 – Dec 2023**
 - Tutored peers in Python, Java, and C++, focusing on debugging, algorithms, and software design fundamentals.
- Member — NJIT Information & Cybersecurity Club | Feb 2022 – Jan 2023**
 - Completed applied security and ethical-hacking labs, including CTF challenges focused on network defense and vulnerability testing.