Jason Conklin

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Early Career Software Engineer

SUMMARY

Computer Science graduate with hands-on experience building and supporting production-ready web applications and internal tools. Experienced in full-stack development using React, TypeScript, Node.js, Python, and SQL, with a strong focus on APIs, data management, automation, and system reliability. Comfortable owning features end-to-end, collaborating across teams, and delivering maintainable software in CI-enabled, enterprise 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.
- **AutoScale – Infrastructure Monitoring Tool | Full Stack / DevOps Developer | Summer 2025**
  - ○ Built a Flask + React monitoring tool to collect CPU, memory, and network metrics across local and cloud environments.
  - ○ Developed Python scripts and scheduled jobs to automate metric ingestion, validation, and alerting workflows.
  - ○ Implemented threshold-based alerts with historical trend analysis and Slack/SMTP notifications.
  - ○ Designed a modular backend with SQLAlchemy storage and a Chart.js dashboard for operational visibility.
- **FlowGuard – Log & Metrics Aggregator | Backend / Infrastructure Engineer | Summer 2025**
  - ○ Built an observability platform aggregating logs and metrics to improve system visibility and reliability.
  - ○ Implemented an async Celery + Redis pipeline with anomaly detection and automated alerting.
  - ○ Developed a real-time dashboard visualizing system KPIs including error rates, latency, and throughput.
- **Kanji Gator – Sponsored Academic Project | Frontend Lead | Spring 2025**
  - ○ Collaborated with backend and ML teams on a full-stack educational platform using React and Flask.
  - ○ Built responsive user interfaces and optimized frontend API integrations.
  - ○ Led code reviews and performance tracking to improve frontend reliability and maintainability.

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

- **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.
- **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.