

Patrick Jaroszewski

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EXPERIENCE

- **DrukSubli** Łódź, Poland
Software Developer Feb. 2025 – May 2026
 - Designed and deployed a file-intake platform with a public upload frontend to managed S3 and an internal on-prem server that pulls files for processing, using a cloud/on-prem split to cut storage costs and tolerate unreliable on-prem connectivity and power.
 - Migrated a fragmented Google Sheets workflow to a PostgreSQL database fronted by Teable, delivering an internal data platform with a spreadsheet-like UX for non-technical users, richer querying for technical users, historical analytics, and API access for automation.
 - Built 25+ internal automation scripts and operator tooling spanning print workflows, file management, and internal processes, streamlining developer/operator workflows and eliminating repetitive manual work.

PROJECTS

- **Homelab (3+ years)** | *Linux, Proxmox, Docker, LXC, Terraform, Ansible, Grafana, InfluxDB*
 - Provisioned infrastructure as code with Terraform and Ansible, cutting setup time for new services and enabling repeatable, self-service deployments.
 - Ran self-hosted containerized services on Proxmox (Docker, LXC) behind a reverse proxy with automated TLS, and secured the network with VLANs, firewalls, and a WireGuard VPN.
 - Implemented observability with Grafana and InfluxDB for real-time performance visualization and rapid troubleshooting; maintained runbooks and playbooks for reliable recovery.
- **Ebook Library System** | *Python, FastAPI, SQLAlchemy, Svelte, TypeScript*
 - Built a Python/FastAPI backend serving a large digital library through a REST API and OPDS catalog, with a type-safe Svelte/TypeScript frontend consuming it.
 - Designed the relational data layer with SQLAlchemy and added user authentication and a cross-device reading-progress sync (KOSync) endpoint.
 - Developed an automated text-extraction and metadata-tagging pipeline, cutting manual cataloging effort.
- **Social Media Analytics Platform** | *React, Node.js, MongoDB, Docker, Kubernetes, GitLab CI/CD*
 - Delivered a React frontend over containerized Node.js microservices orchestrated on Kubernetes, working in a Scrum team with daily standups, sprint planning, retrospectives, and peer code reviews.
 - Built GitLab CI/CD pipelines automating linting, testing, and staging/production deployments, gating every merge to keep the main branch releasable; used MongoDB for non-relational storage.

EDUCATION

- **Georgia Institute of Technology** Atlanta, GA
Master of Science in Computer Science, Computing Systems specialization Aug. 2026 – Expected 2029
- **University of Guelph** Guelph, ON
Bachelor of Computing in Computer Science; GPA 4.0, Mathematics minor Sep. 2020 – May 2024
 - Statistics and Mathematics scholarships for top departmental averages; Dean's List every semester.
 - Coursework: Cloud Computing, Computer Networks, Software Engineering, Systems Programming.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript/TypeScript, Java, SQL, C, Bash, HTML/CSS
- **Frameworks & Libraries:** React, FastAPI, Svelte, Astro, Node.js, Express
- **DevOps & CI/CD:** Linux, Docker, LXC, Ansible, Terraform, GitHub Actions, GitLab CI/CD, Kubernetes
- **Databases:** PostgreSQL, SQLite, MongoDB
- **Tools:** Claude Code, Nginx, Caddy, Proxmox, Gitea, WireGuard, OPNsense

CERTIFICATIONS

- AWS Certified Solutions Architect Associate (2026–2029)
- Cisco Certified Network Associate, CCNA (2025–2028)