

Brian Oktavec

Software Engineer

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Profile Summary

- Senior software and platform engineer with experience designing, building, and operating **full-stack applications, automation platforms, backend services, and cloud-integrated systems** across cybersecurity and enterprise environments.
- Strong hands-on background in **Python, TypeScript, React, backend APIs, SQL, Azure/AWS, and workflow automation**, with experience leading development, owning production releases, and improving system reliability and scalability.
- Proven ability to translate complex technical and operational problems into scalable software solutions, including automation initiatives that helped reduce annual operating costs from **\$8.3M to \$3.5M** while increasing application scanning and remediation throughput by **2.22×**.

Education & Certifications

University of Alabama in Huntsville [M.Sc. in Information Systems](#)

Huntsville, AL 2022-2023

Kennesaw State University [B.Sc. in Computer Engineering](#)

Kennesaw, GA 2017-2022

Associate AWS Certified Developer Certification

Jul. 2022

Fundamentals Microsoft Certified Azure Certification

Sept. 2024

Technical Skills

Programming Languages: Python, JavaScript, TypeScript, HTML, CSS,

Frameworks & Libraries: React, Express, Flask, Fastify, Tailwind CSS, Playwright, Vite, Pandas, Hono

Databases: PostgreSQL, MySQL, MongoDB

Cloud & Infrastructure: AWS, Azure, Terraform, Docker, Linux, Cloudflare, Docker Compose

Dev Tools: Github Copilot, Claude, ChatGPT, Fallow, GitHub Actions, Git, GitLab, Postman, Bruno, n8n

Professional Experience

Sublime Security [Threat Research Engineer](#)

Remote Jul. 2026 - Aug. 2026

- Improved **code maintainability and consistency** across internal web applications by refactoring legacy routing patterns and migrating services from regex-based routing to **Hono**.
- Used AI-assisted development extensively with Claude to accelerate refactoring and implementation, while improving repository-specific AI guidance through custom rules, conventions, and development instructions aligned with the codebase.
- Contributed to engineering quality improvements across the repository by standardizing patterns, reducing brittle implementation approaches, and making application code easier to maintain and extend.

AT&T [Lead Cybersecurity Engineer](#)

Alpharetta, GA Aug. 2024 - Jul. 2026

- Served as a **technical lead and primary platform owner** for AT&T's next-generation Sensitive Data Discovery platform, supporting onboarding, scanning, validation, remediation, reporting, and compliance workflows across thousands of enterprise applications.
- Helped transform the program's operating model through automation, contributing to a reduction in team size from **57 to 28**, lowering annual operating costs from **\$8.3M to \$3.5M**, while increasing the number of applications scanned and remediated by **2.22×**.
- Designed and developed **Python backend services and React/TypeScript frontend workflows**, building automation for scan orchestration, ticket lifecycle management, access provisioning, validation, remediation, escalations, notifications, dashboards, and application onboarding.
- Served as **lead developer for a full-stack SPA built with React/TypeScript and TypeScript/Fastify**, owning application development and significant Azure configuration required to securely integrate the application with **Service Bus, Redis Cache, secrets management, and other cloud resources**.
- Built and optimized **data-processing and integration pipelines** connecting internal security platforms and enterprise data sources; improved scan-result ingestion, synchronization, MySQL queries, and backend processing reliability.
- Owned **production releases, platform reliability, and technical operations**, leading deployment planning, implementation, validation, rollback strategy, stakeholder communication, incident response, and emergency hotfixes while serving as a **platform SME and escalation point** across security, software engineering, infrastructure, compliance, and application teams.

- Contributed to infrastructure and platform-modernization efforts involving **Kubernetes, Docker, secrets management, CI/CD, infrastructure automation, disaster recovery, and environment replication**, while serving as a technical SME and escalation point for production issues.

Endava [Software Engineer II](#)

Remote Jul. 2022 - Aug. 2024

- Developed full-stack web applications and SDK integrations for Financial Services and IT Consulting clients using **React, TypeScript, Node.js, AWS, and PostgreSQL**.
- Designed and integrated **Node.js APIs** and application services, supporting authentication, database persistence, encryption, third-party SDK integrations, and service-to-service communication.
- Led backend development for a prototype merchant application used to integrate and validate a corporate client's SDK, using **Node.js, TypeScript, PostgreSQL, Passport.js, and AWS**.
- Contributed to application architecture and technology selection by translating functional and system requirements into scalable implementation patterns and technical designs.
- Built automated unit, functional, and integration tests using **Mocha and Chai**, including database-query mocking, achieving approximately **90% test coverage**.

Techquidation Inc. [Software Developer](#)

Woodstock, GA Jan. 2022 - Jul. 2022

- Led development of a label-printing SaaS using **Python, SQL, NiceLabel, and VBScript**, reducing processing time by **90%**.
- Troubleshooted and improved **Next.js** application functionality while contributing to feature planning, technical documentation, and development decisions across client-facing projects.

Georgia Tech Research Institute [DevOps Co-op](#)

Atlanta, GA Aug. 2019 - May 2021

- Automated application provisioning with **Ansible**, reducing deployment time from VM creation to fully functioning applications by **80%**.
- Maintained and troubleshoot **virtual machines and Kubernetes clusters**, supporting application availability, performance, and infrastructure reliability.
- Helped build **Ansible and Bash automation for Kubernetes cluster validation and remediation**, checking required files, configurations, certificates, ownership, and permissions across multiple hosts and containers; automatically corrected common issues and generated checklist reports, reducing validation from **hours to minutes**.