CHRISTIAN BRITTON

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PROFESSIONAL SUMMARY

Accomplished Software Engineer with over 10 years of progressive technical experience driving the architecture, optimization, and scaling of enterprise-grade applications. Armed with a Master's degree in Computer Science and proven technical depth across cloud migrations (GCP/Anthos), advanced CI/CD pipeline automation, and modern AI orchestration. Demonstrates the strong system design background, cross-functional leadership, and mentorship tracking required to transition seamlessly into a Senior Software Engineer role. Expert at eliminating technical debt, mitigating enterprise security risks, and delivering resilient, high-availability platforms.

TECHNICAL EXPERTISE

- **Cloud & Infrastructure:** Google Cloud Platform (GCP), Anthos, Rancher, Docker, Kubernetes, Microservices Architecture
- **Languages & Frameworks:** Python, Java, JavaScript, jQuery, Rust, C++, C#, Spring, HTML5, CSS3
- **DevOps & Automation:** CI/CD Pipeline Design, Jenkins, Git, Enterprise Infrastructure Observability (New Relic)
- **AI & Data Engineering:** Agentic AI Architectures, LLM Integration, Graph Databases (GDB), Machine Learning, RESTful APIs
- **Security & Compliance:** Prisma Cloud, Vulnerability Management (Active CVE Patching), Secure Programming, Cyber Forensics
- **Methodologies & Leadership:** Technical Mentorship, Agile/Scrum, Sprint Planning (Jira), Change Advisory Board (CAB) Governance

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER II | Aug 2026 – Present

Charter Communications – Atlanta, GA

- **Company Merger:** Transitioned to Charter Communications in August 2026 following the merger of Cox Communications and Charter Communications, continuing to architect, operate, and scale the same enterprise cloud, CI/CD, and AI platforms within the combined organization.

SOFTWARE ENGINEER II | Jul 2021 – Aug 2026

Cox Communications Inc. – Atlanta, GA

- **Cloud Transformation & Infrastructure:** Spearheaded the end-to-end cloud migration of a mission-critical PaaS ecosystem from legacy Rancher to Google Cloud Platform (GCP/Anthos), achieving a 50% improvement in system response times and building a highly scalable foundation.
- **Enterprise Architecture & Systems Optimization:** Architected an enterprise multi-tier Knowledge Management platform utilizing Python and modern JavaScript frameworks; enforced rigid MVC design principles to standardize code quality, decreasing legacy technical debt by 25%.
- **AI/ML Innovation & Strategy:** Co-architected and drove the technical implementation of an internal enterprise LLM platform tailored for Sales operations. Integrated custom Graph Database (GDB) modules and machine learning pipelines to analyze complex agent data streams, delivering predictive behavioral insights directly to executive leadership.

- **DevOps & Automated Continuous Delivery:** Designed, optimized, and enabled automated CI/CD pipelines via Jenkins, securing completely zero-downtime rollouts across parallel Development, QA, and Production clusters using Docker and Kubernetes.
- **Enterprise Observability & Security Hardening:** Championed infrastructure monitoring transformations by deploying New Relic, cutting Mean Time to Resolution (MTTR) for critical engineering disruptions by 66%. Hardened platform landscapes using Prisma Cloud, successfully remediating 98% of security vulnerabilities and establishing automated active CVE patching.
- **Cross-Functional Governance & Mentorship:** Represented the application team at weekly Change Advisory Board (CAB) meetings to guarantee zero service degradation. Actively mentored junior engineering peers and drove continuous professional development as an influential leader within the Python@Cox enterprise community.

TECHNICAL ANALYST | Sep 2018 – Jul 2021

Barrow County School System

- Engineered, scaled, and optimized high-availability district-wide network architecture, including core switching infrastructure, robust wireless systems, and VoIP configurations.
- Led the technical deployment and systems administration of complex instructional infrastructures, including state-of-the-art virtual reality (VR) labs and digital broadcast studios.
- Administered identity provisioning and enterprise access controls across massive Google Workspace and Office 365 environments, guaranteeing 99.9% operational uptime.
- Delivered critical tier-1/tier-2 hardware and network infrastructure troubleshooting to maximize operational continuity across school facilities.
- Honored with eight consecutive "Shining Moments" engineering awards for unparalleled technical innovation, system reliability, and collaborative problem-solving.

ITS INTERN / STUDENT INTERN | Aug 2014 – Sep 2018

Barrow County School System

- Orchestrated large-scale deployments of thousands of client devices across Windows, macOS, and ChromeOS using AirWatch MDM and Chrome Management Console.
- Partnered with networking and academic stakeholders to build and deploy tailored multimedia software streaming platforms, minimizing learning environment technical friction.
- Delivered critical tier-1/tier-2 hardware and network infrastructure troubleshooting to maximize operational continuity across school facilities.

EDUCATION

MASTER OF SCIENCE IN COMPUTER SCIENCE | Graduated May 2021

University of Georgia

GPA: 3.95

Specializations: Advanced Algorithms, Secure Programming, Cyber Security, IoT Security, Parallel Simulation, Computer Networks, Cyber Forensics, and Cryptography.

BACHELOR OF SCIENCE IN COMPUTER SCIENCE | Graduated May 2020

University of Georgia

GPA: 3.45

Core Focus: Operating Systems, Human-Computer Interaction, Distributed Systems, Software Engineering Patterns.

CERTIFICATIONS

- **Agentic AI Architecture Certificate** – eCornell (2026) | Specialized in multi-agent LLM systems, cognitive architectures, and autonomous orchestration patterns.

RESEARCH AND CLUB AFFILIATIONS

- **Graduate Research Frameworks (UGA & Georgia Tech):** Conducted complex parallel simulation research optimizing computational finance architectures and examining market latency impacts across autonomous trading agent models.
- **Undergraduate Systems Research (UGA Dept. of Public Health):** Engineered a secure, custom field-data tracking web platform and developed targeted text-mining analysis algorithms to synthesize non-mosquito epidemiological vectors.
- **Professional Societies & Innovations:** Active Member, Association for Computing Machinery (ACM) and Institute of Electrical and Electronics Engineers (IEEE). Two-time developer for UGAHacks, constructing accessible UI/UX paradigms.