Jacob Smith

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Education

Boise State University — Boise, ID

Bachelor of Science in Computer Science with a Cybersecurity Emphasis — *Aug. 2023 – Dec. 2027*

- GPA: 3.59 | Dean's List (5 semesters)
- Coursework: Computer Security, Defensive Security, Recovery & Forensics, Information Assurance, Networks

Experience

St. Luke's Health System — Boise, ID

Cybersecurity Resiliency Intern — *Mar. 2026 – Present*

- Co-developing a real-time dashboard for Incident Command leaders to use during critical downtime events, tracking technicians across health system sites and assigning them by urgency, location, and department
- Distributed 1,000+ downtime playbooks and charts; updated 300+ emergency Red Phone numbers in Everbridge
- Built 2 phishing simulations sent to 20,000+ employees each and reviewed results in Proofpoint Targeted Attack Protection (TAP), compiling monthly repeat-clicker metrics presented to the CISO to guide employee education
- Wrote weekly trend reports on employee-reported phishing; updated 28 intranet articles and 36 training documents
- Assisted with disaster recovery and backup test planning and documentation (Cohesity, Zerto)
- Managed project tasks in Microsoft Project and Planner, delivering work on or ahead of schedule

Target, Inc. — Boise, ID

Guest Advocate — *May 2024 – June 2026*

- Cross-trained in Fulfillment, Electronics, Guest Services, Grocery, Front of Store, and Closing roles
- Ran the front-end board, coordinating team member schedules and breaks to keep checkout lanes staffed
- Resolved guest questions and concerns while supporting daily front-end operations
- Awarded Employee of the Month (July 2025) for exceptional customer service and teamwork

Safeway, Inc. — Spokane, WA

Courtesy Clerk / Cashier — *June 2022 – Aug. 2023*

- Promoted from Courtesy Clerk to Cashier while supporting customer service and daily front-end operations
- Processed customer transactions and resolved self-checkout, payment, and customer issues

Projects

OpenSSH Log Analyzer | *Java, B-Trees, SQLite, AWS EC2, Git* — Mar. 2026 – May 2026

- Built disk-based B-Trees with an LRU cache (team of 3) to analyze 194,000+ OpenSSH log entries via SQLite
- Found 160,000+ failed logins from 1,007 IPs (87% targeting root); recommended SSH hardening

Reliable Data Transfer over UDP | *C, UDP, Go-Back-N* — Oct. 2026

- Built a Go-Back-N sender/receiver for reliable file transfer over a lossy relay using checksums and ACKs

Java-to-Go Banking System | *Go, Goroutines, Channels, Java* — Sept. 2026 – Oct. 2026

- Ported a Java banking app to Go using interfaces and struct embedding; ran interest calculations in goroutines

SMTP Mail Client | *C, TCP Sockets, SMTP* — Sept. 2026

- Built a command-line SMTP client over raw TCP sockets with 100% unit test coverage and AddressSanitizer

Secure Password Vault | *Java, HTML, CSS* — Oct. 2025 – Dec. 2025

- Built a Java credential vault (team project) with authentication, salted password hashing, and input validation

Skills & Qualifications

Languages & Databases: Java, Python, C, Go, JavaScript, HTML/CSS, SQL, PostgreSQL, SQLite
Security & Resilience Tools: Proofpoint TAP (ZenGuide, Workbench, Dashboard), Cohesity, Zerto, Everbridge
Platforms & Tools: ServiceNow (incl. API), Git/GitHub, Linux, AWS EC2, Office 365, Microsoft Project
Design & Productivity: Canva, Adobe Creative Suite, Google Workspace (Sheets, Docs, Slides, Gmail)
Technical Skills: API integration, dashboard development, security awareness, downtime readiness, TCP/IP & sockets
Professional Skills: Project management, communication, teamwork, problem-solving, adaptability
Activities: CyberAI Club, AI Club, TryHackMe, Hack The Box