

Brady Bangasser

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Available for full-time roles starting May 2027 · Open to relocation

Systems engineer focused on reliability and platform work: running production HPC and cloud infrastructure, automating operations, and keeping large-scale systems available and observable under real load.

EXPERIENCE

IBM

May 2026 – Aug 2026

Firmware Engineer Intern

- Cut PHYP firmware and software build times 17%, roughly 10 minutes of execution time per build, by reworking Jenkins/Groovy CI/CD pipelines with smart Git prefetching and de-duplicated fetches.
- Built a Jenkins pipeline observability tool with auto-generated Markdown and PDF build-failure reports, delivered under strict constraints: air-gapped, firewalled, no root, and full legacy-code support.

John Deere

May 2025 – Aug 2025

Student Cloud Security Engineer

- Contributed to post-mortems for several company-wide outages with multi-hour restore times, helping trace root cause and reduce the chance of recurrence.
- Deployed Go and Python compliance scanners on AWS EKS that audited both cloud configuration and running instances across the estate.

PROJECTS

zkRP: Encrypted P2P Network

2026

- Built an encrypted peer-to-peer network of gRPC services (auth, relay, mailbox, blob storage) in Rust on libp2p.
- Operate every service to a 99.9% availability SLO with a 99% customer SLA, measured and verified with Prometheus.

EDUCATION

Iowa State University

Ames, IA

M.S. Computer Science · GPA: 4.00

Aug 2025 – May 2027

- Concurrent B.S./M.S. program
- Coursework: Advanced Topics in High Performance Computing, Distributed Systems and Middleware, Quantum Information and Complexity, Compilers and Programming Languages, Theory of Computation, Data Security in Machine Learning, Network Design and Security

Iowa State University

Ames, IA

B.S. Computer Science · GPA: 3.79 · Dean's List

Aug 2024 – May 2027

- Coursework: Compiler Design and Development, AI and Machine Learning in High Performance Computing, Network Architecture and Security, Theory of Computing, Software Design Practices

Bethel University

Saint Paul, MN

PSEO (Concurrent Enrollment)

Aug 2023 – May 2024

- Completed college coursework in compilers and programming languages through Minnesota's PSEO program while in high school

TECHNICAL SKILLS

Languages: C, C++, Python, Go, Rust, Bash, TypeScript, Perl

Infrastructure & Platform: Kubernetes, Docker, Terraform, Packer, Ansible, SLURM, Prometheus, Apptainer

Cloud: AWS, Azure, Google Cloud, AWS EKS

Data & Backends: PostgreSQL, Redis