

Ben Smith

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EXPERIENCE

First National Bank of Omaha

Omaha, NE

Software Engineer Intern

May 2025 – May 2026

- Co-lead development effort to deliver 50,000 call recordings to analytics vendor
- Prototyped modular template system in organizations CSaaS platform, streamlining chatbot development and improving maintainability
- Analyzed data from 900+ customers during intern cohort project to design and pitch customer facing feature

Software Engineer Intern

May 2024 – Aug 2024

- Used Python to analyze 358K+ credit card transactions from partner company; evaluated customer segments against performance metrics and presented growth strategy to business and technology leaders
- Contributed to documentation and migration of local Kubernetes microservices to AWS EKS
- Created system diagrams for 3 internal products in collaboration with several teams

McGrath North Mullin & Kratz

Omaha, NE

IT Intern

Mar 2023 – Mar 2024

- Co-developed scripts automating software and OS updates, increasing deployment rate by over 300%
- Built virtual sandbox environment to analyze and reverse engineer 10+ security incidents
- Provided remote tech support for attorneys and staff in 500+ instances

PROJECTS

Senior Capstone | *Python, FastAPI, Redis, MySQL, GitHub*

- Lead backend development and architecture for a 6 person capstone project building a system to discover and monitor references to sponsors intellectual property
- Implemented distributed job queue with Redis to enable scalable processing of 100,000+ URLs
- Built API to interact with job queue, fetch database results, and manage user authentication and sessions
- Implemented LLM-based content extraction, translation, and analysis pipeline

Jobsurf | *TypeScript, Svelte, Tailwind, Python, PostgreSQL, Docker, Ollama*

- Built full stack job hunting platform that monitors and alerts for relevant job postings
- Using locally hosted LLM to parse and analyze discovered job postings
- Developed in part using AI coding tools e.g. Claude, Codex, etc

FocusLearn | *Python, Flask, Terraform, AWS, GitHub*

- Lead development of full-stack learning platform tailored for students with ADHD
- Designed AWS infrastructure using Terraform, enabling multi-environment deployments, DNS automation, and RDS/EC2 provisioning
- Built CI/CD pipelines to automate testing, infrastructure provisioning, and environment deployments

his-hers | *C++, MQTT, Arduino*

- Developed pair of IoT devices communicating over MQTT pub-sub for real-time events
- Implemented automatic reconnection, connection checks, and error recovery to improve reliability
- Designed wireless portal for configuration and broker management

EDUCATION

University of Nebraska, Omaha

Omaha, NE

Computer Science, Bachelor of Science

2022 - 2026

- Honors: cum laude
- Member of Delta Chi fraternity

TECHNICAL SKILLS

Languages: Python, C#, C++, C, Rust, HTML/CSS, JavaScript, Typescript

Technology & Tools: Git, Postman, AWS, IaC, Terraform, NiCE CXone (CSaaS), SQL, AI/ML, Codex, Claude

Methodologies: CI/CD, Agile (Scrum)