

Zach Kehoe | zachtkehoe@outlook.com

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## **Summary**

Security Engineer specializing in cloud infrastructure development and protection, as well as IAM systems, with experience developing enterprise-scale security tooling. Passionate about learning and growth, I actively seek feedback to sharpen my skills and contribute more effectively.

## **Technical Skills**

- Cloud Security: AWS IAM, CloudTrail, Config Rules, CDK
- Automation: GitHub Actions, Python, TypeScript, Java, C, AWS Glue, AWS Lambda, AI/LLMs
- Security Tools: Okta, SailPoint, Entra ID, Vulnerability Scanning, Dependabot, Endor
- Concepts: Zero Trust, CI/CD Security, Infrastructure as Code, Least Privilege, IAM

## **Professional Experience | Principal Financial Group | Des Moines, IA**

### **Information Security Engineer Intern – Identity & Access Management | May 2025 – Present**

- Enforced access controls across organization-wide AWS accounts using IAM tooling
- Developed automated account lifecycle system handling 50K+ accounts, eliminating stale accounts monthly
- Implemented security guardrails for cloud infrastructure provisioning using AWS Config
- Collaborated on organization-wide least-privilege initiative, retooling the role system

### **Information Security Engineer Intern – BISO Engineering Team | May 2024 – Aug 2024**

- Designed security-hardened CI/CD pipelines using GitHub Actions, leveraging SaaS tools to reduce critical vulnerabilities by 65%
- Automated SaaS security platform integrations (Endor, Dependabot), processing 1K+ daily alerts
- Participated in Application Vulnerability Assessments (AVAs) for cloud-native applications
- Supported development teams on secure deployment practices and vulnerability remediation

## **Education**

Iowa State University | Ames, IA

B.S. Software Engineering | Expected Dec 2025

## **Certification**

- AWS Certified Solutions Architect – Associate (2025)
- AWS Certified Cloud Practitioner (2024)

**Projects** Financial News Aggregation Tool | AWS, Python, OpenAI: Developed a serverless application ingesting daily articles, processing via GPT-4 summarization, and distributing via email. Utilized event-driven architecture (Lambda/S3/CDK).