Griffin Tomaszewski

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Education

North Carolina State University - Raleigh, NC   **Aug 2022 - Spring 2025**

    Bachelor of Science in Computer Science   Major GPA : 3.89

Coursework: Software Engineer, Software Architectures for the Cloud, Data Structures and Algorithms, Operating Systems, Network Security, Theory of Programming Languages

Experience

Software Engineering Intern - Cary, NC   **May 2024 - Present**

SAS Institute

- Developed an executive-level Jira ticket dashboard to provide insights into software quality and performance metrics, including bug counts and operational efficiency.
- Delivered weekly demos to division heads, gathering feedback to drive feature development in the next sprint.
- Extracted over one million Jira tickets from a PostgreSQL data warehouse with a custom-built ETL pipeline using Python
- Participated in daily standups to maintain alignment on sprint goals, addressing blockers and dependencies to ensure continuous progress and timely delivery for demos

Skills

Languages: Python, Javascript, Bash, Java, SQL, C, Go, Rust

Tools: Kubernetes, Docker, Prometheus, Grafana

Interests: Software Engineering, Platform Engineering, DevOps, SRE

Projects

Home Lab   **Jul 2021 - Present**

Kubernetes, Docker, Google Cloud, Terraform, Jsonnet, Prometheus, Grafana, Cloudflare

- Deployed 20+ applications and supporting infrastructure using declarative IaC tools like Terraform with Jsonnet templating
- Reduced costs by 90% by migrating from Google Kubernetes Engine to a Talos Linux cluster on Hetzner Cloud.
- Enabled self-service user registration with MFA and SSO by integrating with Zitadel Identity Platform via OpenID connect
- Ensured zero downtime while migrating stateless workloads between clusters using Tailscale for multi-cloud networking.

EdNotes   **Jan 2022 - May 2022**

TypeScript, HTML, CSS, Docker

- Developed a digital note-taking app which allowed students to take notes synced with lecture video timestamps
- Simplified studying with automatic note "playback" that aligns with the lecture video for seamless review
- Integrated video storage with annotations, eliminating the need to switch between third-party services like Google Drive.

Scribbleshare   **Dec 2020 - May 2021**

Java, TypeScript, WebSockets, PostgreSQL, Redis, Docker, Web Security

- Created a web-based whiteboard app, faciliating real-time drawing, annotation, and writing between students and teachers.
- Progressed from idea to live demo within a 5-month timeline, presenting to competitive judge panel on a three-person team.
- Implemented automatic whiteboard save via WebSocket communication to Java backend persisted to PostgreSQL database
- Built user/password login feature with password hashing and session based authentication tokens stored in Redis cache