WILLIAM HELMRATH

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EXPERIENCE

Instabase | Software Engineer   *August 2022 – Present*
- Develop fullstack platform with Go backend and React frontend for managing customer SaaS deployments and internal developer sandboxes
  - Automated weekly deployment and version upgrades of 70+ customer AWS environments running the Instabase platform
- Sped up developer sandbox deployments by 30% and reduced ECR costs by designing and implementing shared image caching across sandboxes
- Reduced frontend build times by 85% by migrating React apps to Vite and upgrading the Node runtime
- Collaborate with design team to maintain an internal React + TypeScript component library, using Storybook to provide rich technical documentation
- Build Kubernetes management interface with React, exposing detailed information on K8s resource state, Grafana CPU/mem resourcing, and Loki/K8s service logs

TD Securities | Software Engineering Intern   *June 2021 – August 2021*
- Built React web app for business analysts to visualize/manage workflows and tasks via table view and BPMN diagram viewer
- Enhanced internal workflow design tool with global datetime context and dynamic API query adjustments

Forge | Engineering Team Director   *August 2020 – May 2022*
- Led a 4-person team developing internal software solutions, delegating tasks and action items using ticketing system
- Built React + Firebase app to manage 400+ student resumes for the Launch internship program
  - An interactive template for students to create and save their Forge-branded resume
  - A portal for displaying filtered and sorted resumes to potential company partners as part of the sales process

Forge | Web Development Course Instructor   *August 2020 – May 2021*
- Designed and taught semester-long course on full-stack web development (React, JS, HTML/CSS, Express, REST APIs, Git)
- Led weekly lectures and hands-on labs for 20+ students

SKILLS

Languages: JavaScript, TypeScript, Go, Python, CSS, HTML
Frontend: React, React Query, Vite, TailwindCSS, Storybook
Backend: Gin, Flask, REST APIs, Redis, Firebase
Cloud / DevOps: AWS (EC2, S3, DynamoDB), Docker, Kubernetes

EDUCATION

University of Virginia   *Graduated May 2022*
Bachelor of Science, Computer Science; Minor in Economics
Cumulative GPA: 3.84/4.0; Dean's List 2018 – 2020