

# WILLIAM HELMRATH

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## EXPERIENCE

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**Instabase** | Software Engineer *August 2022 – Present*

- Lead frontend engineer on SaaS portal for managing customer deployments and internal developer sandboxes
  - Built and launched within three months, helping shift Instabase's business from primarily on-prem to SaaS with 70+ active customer deployments
- 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 accessibility-first component library, using Storybook for documentation and Jest for unit testing to ensure reliability
- Build Kubernetes management interface, 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

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**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

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**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