

# DAVID TROYER

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## SUMMARY

Results-driven Technical Lead and Senior Software Engineer with over 15 years of experience architecting scalable web applications, cloud services, and automated test solutions. Proven ability to enhance productivity, drive high-impact projects, and successfully collaborate with remote and cross-functional teams to deliver impactful solutions. Passionate advocate for diversity, empathy-driven leadership, continuous learning, and best practices in software engineering.

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## EXPERIENCE

### Software Engineer/Developer III

UW-Madison School of Medicine and Public Health

August 2018 – Present, Madison, WI

- Guided a team of developers and DevOps engineers as technical lead in standardizing software architecture methodologies and development workflows to elevate team efficiency using Docker, Jenkins, and Terraform.
- Developed and maintained custom web applications and services using Ruby, Python, JavaScript, and React, contributing to streamlined workflows across a large clinical and research team.
- Coordinates communication between the web development team and administrative groups, aligning project execution with business requirements and strategic objectives.

### Web Developer

Carnegie Mellon University University Advancement

Jun 2016 – Jul 2018, Pittsburgh, PA

- Engineered, enhanced, deployed and maintained web applications and RESTful web services for the University Advancement division.
- Worked independently and was responsible for all stages of user interfacing, development, testing, maintenance and deployment.
- Contributed to a large transition of University Advancement systems to Salesforce, including integrations and frontend and backend customizations.

### Software Engineer & Partner

Thinkering, LLC

Jan 2014 – Dec 2017, Pittsburgh, PA

- Co-founded a custom software solutions business focused on smaller clients with web and mobile and UX design needs.
- Engineered new and enhanced existing web applications, coordinating with stakeholders to deliver the maximum value in their software, often with aggressive time and budget constraints.

### Software Engineer in Test

UPMC Enterprises

Oct 2012 – Aug 2014, Pittsburgh, PA

- Engineered automated tests for a scalable big data distributed system and client web applications.
- Embraced Behavior Driven and Agile Development as Scrum Master in a cross-functional Agile team.
- Formed departmental best practices in functional, component and integration test automation as a lead Software Engineer in Test.
- Quickly established as a vital contributor to the organization, promoted within 16 months of employment and Departmental Employee of the Month, June 2013.

### Quality Assurance Developer

KidsVoice

Mar 2009 – Oct 2012, Pittsburgh, PA

### Application Developer & Intern

Americast, Inc.

Oct 2006 – Jul 2007, Harrisonburg, VA

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## EDUCATION

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### Master of Liberal Arts, Software Engineering

Harvard University Extension School • Expected Graduation: 2026 • 3.95 / 4.0

### B.S., Computer Science

Eastern Mennonite University • Sep 2003 – Dec 2007 • 3.7 / 4.0

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## INVOLVEMENT

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Hoofer's Sailing Club • 2024 – Present

Madison Bikes • 2019 – Present

Bikes for Kids • 2019

Bike Pittsburgh • 2008–2018

Penn's Corner Farm Alliance • 2012–2014

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## SKILLS

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Ruby, Python, JavaScript, PHP

Rails, React, Tensorflow, Jamstack

MySQL, Postgres, MongoDB

Docker, Compose, AWS, Git

Jenkins, Terraform, GitLab Runners, Github Actions, CI/CD