

Tracy Atteberry

[tracyatteberry.com] . [tracy@tracyatteberry.com] . [[312 399 6978](tel:3123996978)]

I'm a polyglot that enjoys solving problems with software. I enjoy working, learning, and teaching on a collaborative team. I have a passion for creating quality, extensible code and having a positive impact on my team, my company, and those around me. Most recently I enjoyed building AI features, from ideas to implementation to delivery and support, into a best-in-class platform for our customers.

This site was specifically created for CyberCoders: <https://tracyatteberry.com/cybercoders>

Skills

software engineering • system architecture & design • full stack development • AI assisted software development • Agile development • teaching • technical writing

[linkedin.com/in/tracyatteberry] . [github.com/grymoire7]

Experience

Senior Software Engineer at BenchPrep

2020-07 - 2024-09

As a full-stack developer at BenchPrep, I helped deliver a high-quality SaaS platform serving the education market. In my role as team lead, I led the transition to container-based development and helped chart a path to CI/CD. I worked daily with test engineering, product management, and customer support to clarify requirements, design and implement timely solutions, and maintain existing systems. I integrated AI features into the BenchPrep platform and crafted code to generate question content and suggest categories for clients. In addition to being a team lead, I also enjoyed leading a Refactoring SIG and giving frequent technical talks to Engineering and other groups to help advance our skills and knowledge as a company.

Technologies: Ruby, Ruby on Rails, Git, PostgreSQL, Python

Senior Software Engineer at Groupon

2017-10 - 2020-07

I delivered high quality code as part of a cross-functional team that enabled data-driven decisions through building tools that run and analyze experiments. I worked with data scientists, product managers, multiple departments, and created written and video training material to help other departments understand and use the tools we built.

Technologies: Ruby, Ruby on Rails, AWS, Git, PostgreSQL, Terraform

Principal Software Engineer at Inso/Stellent

1999-05 - 2007-02

On the document conversion pipeline team I designed and implemented a PDF Export product, a font handling subsystem with OTF parse/subset/write library, an emulation layer, and native 3D format support.

Technologies:

Principal Member Technical Staff at Oracle

2007-03 - 2017-10

On a document conversion team I helped design and create a new in-browser viewing solution from scratch. We made it possible to view hundreds of different file formats natively in the browser. For the last two years I worked on very large scale cloud-based knowledge management software.

Technologies: REST, Java, Agile

Education

MA, Applied Mathematics - University of Kansas

My research involved writing software to solve new computational problems in Stochastic Adaptive Control. Also, Kung Fu Club.

BA, Mathematics, minors in CS and Physics - MidAmerica Nazarene University

Vice president of student body.

Recommendations

Tracy is one of the very best software engineers I have had the pleasure to work with. ... He possesses exceptional technical expertise with fantastic communication, mentoring, and coaching skills to boot... I wholeheartedly recommend Tracy without reservation.

— **John Gill, Senior Engineering Manager, BenchPrep**

Tracy exemplifies the very best software engineering practices and principles.

— **David Oliver, Senior Engineering Manager, Groupon**

Tracy has a steady, calm presence that inspires others to listen, brings passionate debates to compromise, and motivates excitable individuals to collaborate. Tracy exudes this quality even in his written communications & thorough documentation - he is clear, succinct, thoughtful and humorous.

— **Sarah Lillian, Data Scientist, Groupon**

Working with Tracy at BenchPrep has been a blessing... His keen attention to detail allowed for fewer iterations on the feedback loop and feature implementations.

— **Eddie Frausto, Senior Site Reliability Engineer, BenchPrep**

Projects & Achievements

- **Jojo - CLI for Job Application Marketing**: A CLI for turning job applications into marketing campaigns (Skills: Ruby, AI APIs, Agentic Engineering)
- **Ragtime - Document Q&A System**: Rails 8 + SQLite-vec + OpenAI: Production-ready RAG system with intelligent document processing (Skills: Rails 8, Solid Queue, AI, SQLite-vec, OpenAI, RAG, Vue.js)
- **AI Assisted Productivity Newsletter**: Authored a series of articles covering AI assisted software development (Skills: AI, technical writing)
- **Infection - A Phaser 2D grid game**: Building a 2D grid-based game using Phaser and Claude AI (Skills: Claude, AI, TypeScript, Phaser, Vue.js)
- **Hyrum - A CLI gem for Hyrum's law**: Building a CLI ruby gem to help developers cope with Hyrum's Law (Skills: Ruby, AI, Gem)
- **Stormoji - Daily storytelling puzzle game**: Building a daily privacy-first creative storytelling puzzle game (Skills: HTML, CSS, JavaScript)
- **Enshortener - A personal URL shortener**: Building a copy-and-go URL shortener for shared hosting (Skills: CSS, PHP, SQLite)
- **Font Generation and Rendering Patent**: Patent holder for a system of font generation and rendering (Skills: system design, font technology)