

Chase M. Philpot

US-based, Open to Relocation • philpotchase@gmail.com • [LinkedIn](#) • github.com/cmphilpot

- Full stack software engineer with prior project management experience
- Former business owner, former Fulbright, former coach of two National Sports Teams
- I thrive in fast-paced, challenging environments and foster high-performing team dynamics

Technical Skills

Languages: JavaScript, TypeScript, SQL, HTML/CSS

Frameworks & Libraries: React, Express, Zod, Astro

Cloud: AWS API Gateway, CDK, SDK, RDS, Step Functions, S3, CloudFront, SNS, SQS, Bedrock, Digital Ocean Droplets

Other: Git, Github, Node.js, PostgreSQL (incl. pgvector), MongoDB, Docker, Nginx, Bash, Jest, HTTP, REST, Postman, Bash, OpenAPI

Technical Experience

Software Engineer & Open Source Contributor, Mozilla Firefox

July 2025 - August 2025

- Collaborated with Mozilla engineers and core maintainers to contribute production-grade patches for complex browser bugs within Firefox's review-driven development process navigating a 31M+ line codebase spanning 25+ years. Tools used: Git, Bugzilla, Phabricator, Searchfox, and Mochitest.
- Bugzilla Profile: https://bugzilla.mozilla.org/user_profile?user_id=774873

Software Engineer & Co-Creator, [Frame](#)

July 2024 - July 2025

- Frame is an open-source multimodal image embedding and search platform that deploys directly to a user's Amazon Web Services account.
 - Designed image validation and pre-processing pipelines for multimodal embedding models.
 - Cut operational costs by implementing cloud architecture that scales-to-zero when idle.
 - Built an SDK to streamline developer integration and simplify interaction with the Frame API.
 - Automated deployment via CDK-powered CLI, reducing 30+ step workflow to a few commands.
 - Authored a comprehensive case study outlining the problem space, technical trade-offs, and architectural decisions that led to the development of Frame: <https://www.frame-platform.com>

Software Engineer, Open Source Projects

November 2022 - July 2024

- BetweenUsRAG [under development]
 - Retrieval-augmented generation (RAG) chatbot that enables users to query and receive context-aware answers from an online foreign language textbook using the OpenAI API, Node.js, TypeScript, PostgreSQL/pgvector, and Instructor.
- [Hook Haven](#):
 - Designed, implemented, and deployed (via a DigitalOcean Droplet) a real-time webhook debugging tool using TypeScript, Express, MongoDB, PostgreSQL, and Nginx-based routing enabling seamless integration and monitoring for developers. Built a user-friendly interface with React to visualize webhook data, reducing integration time.
- eCart:
 - Built a feature-rich e-commerce shopping cart with React, Node.js, Express, and MongoDB, supporting product management, and a responsive UI.
- [Buddy Base](#):
 - Built a contact manager app to manage contact emails and phone numbers with dynamic filtering.
- Todo List:
 - A full-stack web application for keeping track of your todos.

Leadership Experience

Project Manager, Huawei Technologies, Moscow, Russia

2018 - 2020

- Managed publication of telecom industry book requiring a 5+ member team to write, edit, print, and distribute.

Head of Russian Language Department, Middleboro Public Schools, Massachusetts

2021 - 2022

- Full-scale curriculum overhaul and implementation for first ever hybrid learning year.

Assistant & Head Coach for Adult & Youth Sports Programs

2012 - 2025

- Coached two National Teams in international competitions, founded a youth program (2014 - '15).
- Collaborated with US Embassies to deliver gear to and lead annual skills-development camps for programs.

Education

Middlebury College, M.A. in Russian Language and Literature

August 2017

Dickinson College, B.A. in Middle East Studies and Russian Language

May 2014