Jeff Spencer

Senior Full Stack Engineer

jeff@jeff-spencer.com · Warminster, PA · (267) 294-7650

PRIMARY TECHNICAL SKILLS

Frontend: React (TypeScript, Next.js, Preact, Gatsby.js, Ember.js), Angular, Elm, WordPress
Backend: Go, TypeScript (Node.js), Python, PHP (Laravel)
Databases: Postgres, MongoDB, Redis, TimescaleDB, Elastic
Cloud: AWS (EC2, Lambda, S3), GCP (Pub/Sub, BigQuery, Dataflow, Kubernetes, Cloud Run, Cloud Storage, Firebase)
Web3: Wagmi, Ethers, Web3.js
DevOps: CI/CD, Docker, Kubernetes, Terraform, Github Actions, Vercel

PROFESSIONAL EXPERIENCE

Software Engineer III *Scoir* — **March 2022 - Current**

Scoir is a unified college planning network, offering free college search, career assessments, list building, and collaboration tools for students, families, and counselors.

- Lead backend engineer for various greenfield projects, responsible for working with product managers to define scope and technical approach.
- Helped lead migration of entire codebase to TypeScript for improved maintainability and type safety.
- Fully own the development cycle from beginning to end for backend and frontend (including design, implementation, and deployment).
- Key engineer for development of Scoir AI, a predictive AI model that allows users to search for colleges based on their academic and personal background.
- Implemented Storybook for various component libraries, ensuring a consistent UI across the platform.
- Worked on migrating legacy messaging system running on Nats to a more scalable and reliable system using pub/sub and Postgres.
- Streamline onboarding process for new engineers via dev containers and more detailed documentation.
- Mentor junior engineers on new technologies and best practices.
- Monitor logs and provide on-call support for production issues as needed.

Key Technologies: Go, Python, React (TypeScript/Next.js), MongoDB, Postgres, Redis, Elastic, GCP (Pub/Sub, BigQuery, Kubernetes)

Principal Software Engineer *Cryptokek* — **September 2019 – December 2022**

Cryptokek is a cryptocurrency analytics platform that provides in-depth data and time series charts for any token on EVM compatible chains.

- Overhauled a single threaded process for blockchain data ingestion (5M+ transactions/day), implementing a new ELT pipline via microservices with pub/sub, BigQuery, Dataflow, and Go listeners.
- Guided technology decisions, refined stories, and delegated work based on team skills. Built complex features across frontend and backend.
- Implemented CI/CD workflows and expanded test coverage to 85% from 0%.
- Reduced monthly costs by $15,000+ through database optimization, data compression, and vendor management.
- Led community discussions, addressed investor concerns, and participated in AMA calls.
- Reduced TTFB by 35% and improved cache hit rate by 40% through frontend optimizations.
- Managed TimescaleDB to power our TimeSeries charts and responsible for determining new data aggregation strategies.

Key Technologies: TypeScript (Node.js), Go, React (Next.js/Preact), Postgres, Redis, TimescaleDB, GCP (Pub/Sub, BigQuery, Dataflow, Cloud Run, Cloud Storage, Firebase), Wagmi, Ethers, Web3.js

Senior Software Engineer *B Lab*   **September 2018 − February 2022**

B Lab is a nonprofit that certifies and supports B Corporations, ensuring companies meet rigorous social and environmental performance standards.

- Lead Engineer for bcorporation.net marketing site development, improving page load times by over 25% and coordinating release strategies with marketing team.
- Managed stakeholder requirements, timelines, and story refinement. Built end-to-end features across frontend and backend.
- Implemented CI/CD pipelines and workflow automation, reducing deployment time in half and eliminating 100+ manual tasks monthly. Streamlined onboarding to one day using documentation and dev containers.
- Responsible for migrating legacy PHP API to Go and modernizing the codebase.
- Mentor junior engineers on new technologies and best practices.

Key Technologies: Go, PHP, Python, React (TypeScript/Next.js/Ember.js/Elm), MongoDB, Postgres, Redis, AWS (EC2, Lambda, S3), Heroku, Drupal

Senior Software Engineer *Nectyr Productions*   **November 2015 − December 2018**

Nectyr Productions is a software development firm responsible for building out new applications or supporting existing ones for a number of high profile clients.

- Delivered 20+ custom web applications for high-profile clients across retail, healthcare, and finance sectors.
- Designed REST APIs, built responsive UIs, implemented auth flows, and optimized database schemas.
- Mentored junior engineers and led a team of 4 through technology adoption.
- Managed projects end-to-end, including scoping, story refinement, client meetings, and work delegation.

Key Technologies: React (TypeScript/Next.js), Angular, WordPress, PHP, Go, TypeScript, Python, Postgres, MongoDB, Redis, AWS

Operations Coordinator *AWeber Communications*   **January 2010 − October 2015**

AWeber is an email marketing company that allows users to create newsletters, campaigns, and autoresponders.

- Supervised 12-person support team, improving ticket resolution SLAs by 35% through KPI implementation and workflow optimization.
- Bridged Customer Support, Marketing, DevOps and Engineering teams, handling 100+ monthly support tickets.
- Developed internal tools to reduce repetitive tasks and enhance calling queue system.
- Led weekly stand-ups and sprint demos to align stakeholder expectations.
- Supported marketing initiatives through database queries, user data analysis, reporting, and visualization.

Key Technologies: PHP, React, Postgres