

David Farrell

Staff Engineer

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I am a full-stack software engineer interested in leading teams to build remarkable products with technical excellence at scale.

Rate.Vet

Founder | Philadelphia, PA | Apr 2024 - Nov 2024

- Created a web app for employers to rate employees anonymously and securely.
- Invented a novel technique to anonymize reviews to protect employers, even if source data was obtained.
- App was built with React.js, TypeScript, Node.js, Postgres and ChatGPT.

ZipRecruiter

Staff Software Engineer | Remote | 2017 - 2024

- Led a team of engineers to launch a new video interviewing platform in six weeks integrating with ML matching models, mobile and web. Built with React.js, Go, DynamoDB, Kubernetes.
- Won the 2023 company hackathon with “Zerendipity”, a new feature that lets jobseekers request instant video interviews with recruiters. Feature was built in React.js, Go and DynamoDB.
- Led a team of engineers to replace a legacy marketing data warehouse with a cloud data lake saving millions of dollars. Built with Scala/Spark, Go, Kafka, Databricks, and AWS.
- Created a CI/CD job to verify the configuration of 300 Go microservices across tiers and catch errors before deployment. Written in Docker, Go and Shell script.
- Led a cross-functional team to re-factor the job feed system and reduce the worst-case latency from 72 hours to 3 (Kubernetes, SQS, Perl).
- Re-factored a business rules engine reducing the average runtime from 4 hours to 10 minutes. Solution is still in use today avoiding an expensive replacement (JavaScript, MySQL, Perl).

ZipRecruiter

Contractor | Remote | 2017 - 2024

- Engineer on the team that created the job ad marketplace system, which processes millions of interactions per day.
- Designed and implemented the marketplace live reports system. Built with JavaScript, Perl, AWS Redshift and MySQL.

Deloitte

Manager | New York City, NY | 2013-2015

- Lead engineer of a team of 8, developed the Lehman Brothers claims administration system (the largest bankruptcy in US corporate history).

Education

BSc. Computing and Information Systems, University of The West of England, Bristol.