Edd Mann

Software Engineer

Contact

Website
eddmann.com (https://eddmann.com)

Email
the@eddmann.com

About

Lead Software Engineer with 15+ years' experience building reliable, evolvable systems using DDD, event sourcing, AWS Serverless, and event-driven architectures. Full-stack skills include PHP, TypeScript, React, and Terraform. Passionate about solving business problems through cross-functional delivery, continuous learning aided by side projects, and sharing knowledge through writing and podcasting.

GitHub
eddmann (https://github.com/eddmann)

LinkedIn
eddmann (https://www.linkedin.com/in/eddmann/)

X
edd_mann (https://x.com/edd_mann)

Bluesky
eddmann.com
(https://bsky.app/profile/eddmann.com)

Work Experience

Instapro

Lead Software Engineer

2022 - 2025

Promoted to Lead Software Engineer after the MyBuilder and Instapro merger, shaping technical direction and leading key greenfield projects in a larger organisation.

- Led a major retailer integration service, running event storming sessions and collaborating with stakeholders from design to rollout. Delivered using React, TypeScript, PHP, and AWS Serverless.
- Built a chat platform as a micro-frontend vertical-slice service, enabling rapid delivery and experimentation with custom markup, Slack-like features, and an internal 'Surface Builder' tooling.
- Drove architectural decisions and guided teams in breaking up the monolith, adopting vertical-slice service ownership, and designing around subdomains and bounded contexts.

MyBuilder

Site Reliability Engineer

2019 - 2022

Transitioned to a Site Reliability Engineer role to focus on cloud-native infrastructure and platform enablement, supporting development teams and contributing to architectural decisions.

- Led the development of a greenfield insurance application and underwriting system (MyBuilder Plus), delivered in under six months using DDD, Event Sourcing, CQRS, Hexagonal Architecture, Terraform, and Serverless technologies.
- Migrated all services to Serverless (AWS Lambda), reducing operational overhead, empowering teams to focus on business value, and accelerating delivery.
- Created internal developer tooling, including a CLI to streamline service discovery and local development, significantly improving developer productivity.

MyBuilder

Senior Software Engineer

2016 - 2019

Promoted to Senior Software Engineer, leading major product features, mentoring junior engineers, and shaping infrastructure strategy.

- Led migration from on-premises to AWS using Terraform and many AWS services.
- Built an event-sourced Tradespeople shortlist billing bounded context within the modular monolith.

MyBuilder

Software Engineer

2014 - 2016

Worked in a small, agile team applying modern engineering practices across the stack. Delivered both greenfield and brownfield projects, deepening my technical and business domain expertise.

- Drove key product features that contributed to MyBuilder's acquisition by IAC in 2017.
- Supported the migration to a modular monolith architecture, helping discover subdomains and architect bounded contexts.
- Built a greenfield RESTful microservice for Tradespeople trade assessments, ensuring qualification standards on the platform.

360 Software Solutions

Web Developer

2011 - 2013

Delivered tailored web solutions for diverse clients, balancing new and legacy projects while honing communication and problem-solving skills.

- Designed and implemented a modular MVC PHP content management platform, enabling rapid and efficient client website development.
- Led the end-to-end development of a large-scale, web-based mobile search engine start-up, overseeing architecture and delivery.
- Developed and launched a cross-platform mobile application for iOS and Android using Titanium, expanding client reach.

Education

Bachelor of Science in Internet Computing

University of Greenwich

2008 - 2011

First Class Honours

BTEC National Diploma in IT Practitioner

West Kent College

2005 - 2007

Distinction, Distinction, Merit

Awards

School Prize for Outstanding Achievement (Computing)
University of Greenwich
2011

Awarded the School Prize for Outstanding Achievement in the Undergraduate Computing programme, achieving 74%+ in every module across all three years.

Skills

Leadership & Delivery

Product thinking · Stakeholder management · Roadmapping and prioritisation · Direction and architectural guardrails · Hiring, onboarding, and mentoring · Incident leadership

Languages

PHP · JavaScript · TypeScript · Python · Rust · Swift · SQL

Frontend

React · Next.js · Redux Toolkit · Vite · BEM · Tailwind CSS · Styled Components · PWA (Service Workers, Workbox) · WebAssembly

Backend

Symfony · Laravel

Cloud & Infrastructure

AWS · Terraform · Serverless Framework · CDK · AWS Lambda · S3 · EventBridge · SQS · SNS · RDS · ECS Fargate

Databases

PostgreSQL · MySQL · Redis · DynamoDB

Architecture & Practices

Domain-Driven Design · Event Sourcing · CQRS · Hexagonal Architecture · Event-driven Architecture · Micro-frontends · Microservices

Tooling & DevOps

Git · Unix · Docker · GitHub Actions · Puppet

Testing & Monitoring

Automated testing · Continuous integration · Continuous delivery · AWS CloudWatch · Datadog · Grafana · Sentry

Projects

santa-lang (https://eddmann.com/santa-lang/)

A functional, C-like programming language for Advent of Code puzzles that blends the most effective features from languages I've worked with, featuring a tree-walking interpreter in TypeScript and Rust.

MyPodcast (https://mypodcast.cloud/)

A SaaS that turns saved articles into narrated podcast episodes using LLMs for summarisation and text-to-speech, delivered directly to your podcast app.

Our Wedding Website (https://github.com/eddmann/our-wedding-website)

A serverless PHP/Symfony project demonstrating DDD, Hexagonal Architecture, CQRS, and Event Sourcing, used at MyBuilder and Instapro to teach core architectural patterns with Terraform IaC and robust testing.

Serverless Fargate (https://www.npmjs.com/package/serverless-fargate)

A Serverless Framework plugin for managing long-running Fargate ECS tasks, averaging over 8,000 weekly downloads on NPM.

Chessmate (https://chessmate.cloud/)

A multi-engine chess analysis Progressive Web App with online (AWS Lambda) and local (WASM) chess engine support, plus an iOS app available in the App Store.

Advent of Code (https://github.com/eddmann/advent-of-code/)

Completed (almost) every Advent of Code puzzle in multiple languages to deepen my skills and explore new programming paradigms.

Languages

English
Native

Interests

Podcasting

- Host of Compiled Conversations, interviewing influential figures in software and technology.
- Co-hosted Three Devs and a Maybe (2013-2019), covering a broad range of software topics.

Running

- Passionate long-distance runner with 20+ marathons and an ultra marathon completed; known for early morning runs and obsessively tracking stats on Strava.

PCB Design

- Learning PCB design by building a custom electronic chessboard using Chessmate APIs, and documenting the process on my site.

AI & Machine Learning

- Exploring AI's impact on software development through hands-on projects.
- Building predictive models (e.g., fantasy Formula 1 outcomes) to deepen ML expertise.
- Using CNNs to detect chessboard states, powering new Chessmate features.

References

Available upon request