# David Wickes

An agile, iterative, and test-driven developer.

## [SpringerNature](http://www.springernature.com)

### *Senior Software Developer (April 2023 - Present)*

* Proactively explored and applied cutting-edge development techniques, including AI, and mentored others in their practical application.
* Initiated and facilitated event storming sessions, empowering cross-functional stakeholders in architectural discovery.
* Advocated for and reintroduced Domain-Driven Tests (DDTs), improving workflow and code quality.
* Mentored on advanced programming techniques and functional programming concepts.
* Guided cross-team discussions on engineering best practices.
* Delivered internal 'Lightning Talks' to share knowledge and foster improvement.
* Communicated complex technical concepts to diverse audiences, including hosting company-wide meetings.
* Led root cause analysis of amendments, collaborating with multiple stakeholders, and drove actionable insights for multiple departments.
* Collaborated with Product Owners and team members to align solutions with business and technical goals.
* Fostered a culture of open feedback and continuous improvement.
* Confidently represented the domain and business in technical discussions with stakeholders.
* Championed excellence in software engineering and inspired a high-performance culture.

#### Skills

* Mentoring and coaching
* Facilitation
* http4k library contribution
* Advanced front-end development
* Ports-and-adaptors (hexagonal) architecture
* Domain-Driven Testing (DDT)
* Advanced programming: Hamkrest, Kondor, functional programming (Result type)
* Engineering best practices and code review leadership
* Advanced methodologies: Mikado, Steel Thread
* Agile analysis techniques: story mapping, example mapping

## [Saltpay](https://www.saltpay.co/)

### *Senior Developer / Tech Lead (May 2022 - April 2023)*

* Provider of payments services to small and medium enterprises
* Responsible for the integration of dependencies for the onboarding of customers
* Consulted internally on testing strategies and TDD

#### Skills

* Go programming language, PostgreSQL, Kafka
* Monitoring using Grafana suite
* Architecture, roadmaps and decision documentation
* Small scale [contract testing](https://martinfowler.com/bliki/ContractTest.html) and [Domain-Driven Testing](http://www.natpryce.com/articles/000819.html)

## [Triptease](https://www.triptease.com/)

### *Senior Developer (July 2021 - April 2022)*

* Hotel digital services company manging digital advertising
* Worked in team responsible for display advertising

#### Skills

* Deployed on Google Cloud Platform (Kubernates and other tools)
* Management of a statistical model to calculate advertising bids
* Contributed multiple learning sessions to help teams learn TypeScript

## [Acuris](http://www.acuris.com/)

### *Senior Developer (July 2019 - June 2021)*

* Financial journalism company, providing alerting and research services to multiple sectors.
* Worked initially on the platform team building tooling around AWS
* Moved to a product team building web applications
* Initiated and ran the departments associate developer mentoring programme

#### Skills

* Use of graphical JavaScript libraries to display information
* [Event sourced](https://martinfowler.com/eaaDev/EventSourcing.html) backend architecture in TypeScript / Go
* Rapid prototyping using spreadsheets as backend (both Excel and Google Sheets)
* [Next.js](https://nextjs.org/), a React based web framework
* Configuring multiple AWS services using [Terraform](https://www.terraform.io/)

## [SpringerNature Digital](http://www.springernature.com)

### *Developer (October 2017 - July 2019)*

* Joined to work as part of a small innovations team, working across the company
* Dissolution of team resulted in move to high-priority payments project
* Led a weekly lunch club learning Lisp(s)

#### Skills

* Small applications as experiments to gather the maximum information on real requirements
* [Continuous delivery](https://continuousdelivery.com/) with [trunk based development](https://trunkbaseddevelopment.com/)
* Leveraging modern HTML and CSS to build simple, functional web applications
* Building browser extensions in JavaScript as an integration point across legacy systems
* Used [Kotlin](https://kotlinlang.org/) and PostgreSQL on [Cloud Foundry](https://www.cloudfoundry.org/) platform
* Learned [Domain-Driven Testing](http://www.natpryce.com/articles/000819.html) and [Event Sourcing](https://martinfowler.com/eaaDev/EventSourcing.html) from Nat Pryce and Uberto Barbini

## [Acuris](http://www.acuris.com/)

### *Developer (January 2015 - October 2017), Lead Developer (May 2016 - September 2016)*

* Built a web-scraping and alerting system for US bankruptcy courts using a microservice architecture.
* Contributed to creation of new content delivery pipelines for the core business
* Led a team until I asked to be allowed to focus on development
* Led and iterated on the structure for regular hackdays

#### Skills

* Languages - Groovy, Go, JavaScript, TypeScript
* Building frontends in vanilla JS, React and Redux
* Participated and led in learning and adoption of Go across development teams
* Monitoring and logging using Graphite, DataDog, Logstash and Logentries
* MSSQL, Elasticsearch, MongoDB, RabbitMQ as a message broker
* Participating in and leading retrospectives

## [Makers Academy](http://www.makersacademy.com/)

#### *Student (August 2014 - October 2014), Tutor (October 2014 - December 2014)*

* Full-stack web development bootcamp in Ruby, JavaScript, Rails, Sinatra and NodeJS
* Learned TDD/BDD, pair programming and other modern development practices
* Ruby, JavaScript, HTML5, CSS and JQuery
* Version control with git and GitHub
* Coached and mentored students both during and after the course

## *Courses, Conferences, External Activities*

* Contributor to Go Time podcast on [TDD](https://changelog.com/gotime/185) and [htmx](https://changelog.com/gotime/266)
* Recent conferences: GopherCon London, Software Craftmanship London, GopherCon Europe, QCon
* [*Algorithmic Toolbox*](https://www.coursera.org/account/accomplishments/records/C58NGM7GQS84) by University of California, San Diego & Higher School of Economics on Coursera

### Languages

* Used in production: Kotlin, JavaScript/TypeScript, Groovy, Ruby, Go, Java
* Used outside of work: Common Lisp, Scheme, Racket, OCaml, Smalltalk

## Education

| Dates | Institution | Subject(s) |
| --- | --- | --- |
| 2000 - 2005 | University of Warwick | BA Philosophy (1:1), MA Continental Philosophy |

## I Like

TDD, DDD, functional programming, object-oriented programming, boardgames, chess, playing the recorder, early music, Oxford commas, and learning Old English.

## Contact

You can reach me as @[gypsydave5](https://twitter.com/gypsydave5) on Twitter and [dave.wickes@gmail.com](mailto:dave@gypsydave5.com) by email. There's a blog ([blog.gypsydave5.com](http://blog.gypsydave5.com/)), and my [GitHub](https://github.com/gypsydave5) and [sr.ht](https://git.sr.ht/~dew/) accounts too if you'd like to see what I'm up to and thinking.