

# Danny Wilson

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## Senior Software Engineer

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### About me

Senior Software Engineer with 10+ years of experience building scalable cloud solutions and leading technical initiatives. Proven track record of architecting serverless systems, utilizing automated testing approaches, and driving software practices across agile teams. Expertise in AWS, Python, and modern CI/CD pipelines, with a strong focus on robust and performant systems. Experienced in mentoring junior developers and establishing coding standards that improve team velocity and code quality.

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### Work

Sep 2023 – Present **Senior Software Engineer, Qodea**, <https://qodea.com>

- Rebuilt legacy API to improve scalability, security, and allow future feature development
- Rebuilt a PDF delivery network using Google Cloud Platform technologies
- Established strong automated testing approach to improve code reliability, increase product owner and QA satisfaction, and build a common lexicon when discussing tests
- Worked with Google on custom AI agents to increase utilisation of an internal growth platform by reducing friction with content discovery
- Reduced cost of querying billing data using partitions

**Keywords:** Google Cloud Platform, Vertex AI / Agent Space, BigQuery

Dec 2022 – Jun 2023 **Senior Software Engineer, DA Languages**, <https://dalanguages.com>

- Increased quality of software produced with defined software standards, review checklists, and improved CI pipelines to perform code checks
- Helped knowledge share within team and future hires by improving onboarding documentation and process, and reviewing and amending project documentation
- Increased participation and efficiency in agile ceremonies by using known retrospective formats, tracked outcomes and progression of retro notes.
- Reduced sprint planning and review times with a repeatable process, decreasing time spent in meetings and increasing moral and participation

**Keywords:** Leadership, Software developer experience, Processes

Jul 2018 – Oct 2021 **Software Engineer, Co-op Digital**, <https://digitalblog.coop.co.uk/>

- Migrated legacy software to use containers, a modern package manager, and multi-tenanted capabilities
- Reduced lead-time on pre-sale funeral plans with a serverless and SPA design integrating with a SOAP backend
- Reduce the complexity of managing many different websites with a shared build system for CMS websites, a common design system used across different business areas, and a single hosting platform managed by a single team using Kubernetes

**Keywords:** Python/Django/Flask, Distributed systems, System architecture, Docker and Kubernetes, Trunk based development, Test driven development, Pair/mob programming

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- Oct 2017 – Jul 2018 **Lead Developer, Dentsu**, <https://www.dentsu.com/>
- Mentor other developers on the team to progress their careers
  - Maintain and teach developers how to work with the internal tools
  - Leading on digital pitches
  - Helping with recruitment
- Keywords:** Pitching, Leading and managing engineers
- Jun 2014 – Jun 2016 **Frontend Developer, Dentsu**, <https://www.dentsu.com/>
- Consistently delivered high throughput eCRM campaigns for large clients
  - Developed a email build system cutting errors down to almost 0 and increased productivity 4x
  - Built a internal application for sharing interesting articles among the agency
  - Worked on a handful of interesting IoT-lite projects: a slack integration for a coffee cam, a live video link between offices, integrating Christmas tree lights with Twitter
- Keywords:** Build systems, Custom internal tools, API integrations

## Education

- Sep 2011 – Jul 2014 **Bachelor, Web and Mobile Application Development, Score: Upper Second-Class, Manchester Metropolitan University**
- Courses:** Advanced Programming First, Data Structures and Algorithms First, Web and Mobile Application Development First, Professional Development First

## Skills

- Web Development Expert **Keywords:** Python, JavaScript/Typescript, NOSQL and SQL Databases
- Software engineering Expert **Keywords:** Bash, CI/CD pipelines, REST API, Automated testing, Design Patterns, Event driven architecture
- Cloud Development Expert **Keywords:** Google Cloud Platform, AWS, Docker, Distributed Systems, Serverless systems, Kubernetes, Object storage
- Extreme Programming Intermediate **Keywords:** Test Driven Development, Pair programming, Trunk based development, Kanban

## Certificates

- Aug 2024 **Google Cloud, Google Cloud Professional Development**, <https://cloud.google.com/learn/certification/cloud-developer>

## Volunteer

- Jun 2019 – Jun 2019 **Tech Mentor, Django Girls Manchester**, <https://djangogirls.org/en/>
- Two day workshop helping women learn the basics of the Django web framework

## Projects

- Sep 2025 – Present **A CV defined in YAML and rendered to PDF, This CV**
- Using the spec outlined in <https://yamlresume.com/>
  - build a PDF from a YAML definiton
  - Serve the content from the YAML resume as an API
- Keywords:** yaml, python

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- Jun 2024 – **A weather app for climbers, *CragWeather***  
Dec 2024
  - Pulls weather information on favourite climbing locations
  - Compares the weather data and recommends the best place to go climbing
  - Sends an email report each day for the weekend**Keywords:** Go, MVP
- Apr 2022 – **Usernames as NFTs, *(De)NS - Cosmos Network***  
Jun 2022
  - Frontend application for interacting with the (De)NS smart contract**Keywords:** Web3, NFT, Blockchain
- Jan 2017 – **Contextual music player, *HALA***  
Apr 2020
  - Music player that displays informatin around the artist, album, or track
  - Users could create or consume their own stories
  - MVP built using Django and contained an automated story building from wikipedia articles**Keywords:** Python/Django, Bootstraped, MVP

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## Interests

- Outdoor activities Rock Climbing, Surfing, Running, Hiking
- Homelab proxmox, selfhosted
- Music Collecting records, Playing guitar

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