

# Davey Mason

## Contact Information:

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## PROFESSIONAL SUMMARY

Experienced UX Engineer with a DevSecOps mentality designing, building and deploying digital solutions through a clean CI/CD process. Primarily operating with javascript in the front-end I've had professional & academic exposure to back-end languages such as Php, Python, Ruby, Rust & Java.

Six years experience converting key stakeholder requests into beautiful, secure digital solutions leveraging AI, Cloud & Automation for key CI/CD, security and infrastructure tasks.

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## EDUCATION

- M.Sc. Computer Science, Georgia Institute of Technology (online, 2022-2025)
    - Specialising in Human Computer Interaction & Cybersecurity
  - META Front-End Certified Developer (2024)
  - Google Cybersecurity Professional Certificate (2024)
  - MERN Full-stack Web & Mobile Bootcamp, NuCamp (2021)
  - Post Graduate Module in Software Development, Open University (2019)
  - B.Sc. in Digital Technology & Design, Dublin Institute of Technology (2018)
  - B.Sc in Applied Physics & Instrumentation, Cork Institute of Technology (2014)
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## EXPERIENCE

### Senior UX Engineer | ReelMetrics | Leiden, Netherlands (Hybrid) | 2021-Present

- Managed multiple stakeholder requests in rapid prototyping stages within weekly sprints and DevOps cycles.
- Led the redesign & development of key UI elements, focusing on responsiveness and intuitive design.
- Custom Wordpress plugins with Php & jQuery.
- Back-end development with Ruby on Rails and cloud infrastructure with AWS.
- Upgraded and updated TeamCity, operating under a DevOps mindset.
- Implemented security-first practices and drafted the first ISMS in line with the ISO27001 standard.

## Client Facing Developer | Fat Head Solutions | Remote | 2020-2021

- Implemented diverse projects for clients, including an LMS for a Chinese university, an e-commerce store & an interesting scaling challenge for a busy restaurant.
- Developed responsive, secure, and optimised websites using WYSIWYG editors with custom CSS, enhancing user experience and conversion rates.
- Integrated third-party payment solutions and developed custom WordPress plug-ins to meet unique client requirements.
- Applied strong technical SEO and security best practices, improving site visibility and protecting data, resulting in over 10k monthly visitors.

## Client Facing Developer | DEITG I.T. Generalists | Cork, Ireland | 2018-2019

- Designed and developed over 50 websites using WordPress, Php, CSS, JavaScript, Bootstrap, and jQuery.
- Collaborated with senior developers on the front-end of large web apps focusing on Javascript, CSS and CakePhp.
- Upgraded legacy Php apps from version 5.6 to 7.3.
- Streamlined web management processes, improving efficiency and team performance via standardisation. The cornerstone of DevOps!
- Research and implemented Docker to standardise our dev and testing environments.



### WHAT I DO AND HOW I OPERATE:

- **User Experience and Design:** Responsive design, user research, requirements gathering, A/B testing, prototyping, Figma
- **Front-end Development:** HTML, HTMX, CSS, JavaScript, jQuery, React.js, Bootstrap, Material Design, Linters, Packers, Bundlers, Transpilers & Storybook.
- **Testing & Debugging Tools:** Jest & Storybook, rspec, byebug, Phpunit,
- **Back-End Development:** Node, Php, CakePhp, WordPress, CodeIgniter, Ruby & Rails, Python & Flask, Rust & Tauri,
- **CMS:** WordPress, ButterCMS
- **Version Control & Deployment:** Git, GitHub, Yarn, NPM, Netlify, Docker, Kubernetes
- **Cloud:** Mainly AWS (EC2, EKS, S3, Lambda), Some Google Cloud.
- **CI/CD:** TeamCity, Github Actions, Gitlab & Cloud Hosting Tools.
- **Methodologies:** Agile, DevSecOps, Design Thinking, Lean UX



### TOOLS I DIDN'T ENJOY SO MUCH:

- VB6, Maven, PhoneGap, Angular 1, Labview, Chainlink, Alibaba Cloud
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## CURRENT AND RECENT PROJECTS:

- An ISO27001 monitoring dashboard for DevSecOps professionals.
  - Design Phase.
- Old Rusty! My new favourite tech stack including Javascript, Python & Rust!
  - [Prototype](#) Phase.
- An [Ai-lesson planner](#) using jQuery & Php that can *plug-in* to Wordpress websites.
  - Finished and released Open Source.
- A [GenAI invoice sorter](#) using Reac, Flask and Vertex-Ai from Google Cloud.
  - Submitted for the GenAi Hackathon.

## OTHER INTERESTING POINTS

- Taught over 10,000 students as a teacher in China (2014-2016, 2019-2021).
- Developed an LMS for university students in response to the COVID-19 pandemic.
- Served as head teacher of two kindergarten classes in the final year of teaching.
- Irish. Living permanently in The Hague