

ALEX DEIDDA

About me

Software Engineer with experience in web development, cloud infrastructure (AWS), and front-end technologies. Passionate about problem-solving and optimising user experiences through scalable and efficient solutions.

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Skills

Languages JavaScript, TypeScript, CSS3, HTML5, PHP, MySQL, XML, Python.

Frameworks React, NextJs, Bootstrap, Composer, Cypress, Puppeteer, Jest.

Software VsCode, GoLand, Postman, IntelliJ, Terraform, Docker, DrawIO, Figma, Sketchup, Jira, Confluence, Trello.

OS Linux, MacOS, Windows.

Methodologies Scrum, Kanban

Other AWS (S3, EC2, APIGateway, Lambda, IAM, Route 53, CloudWatch), Git, CI/CD (GitHub Actions, Jenkins).

Work experience

09/2021 - 11/2024 **Software Engineer at Sainsbury's Tech**

Refactored the recipes pages on Sainsbury's website, improving maintainability and modularity, making the section easier to scale and update.

- Developed and optimised **React** and **Next.js** front-end applications using **JavaScript** and **TypeScript**, ensuring responsiveness and performance.
- Implemented automated testing strategies with **Cypress**, **Puppeteer**, and **Jest**, reducing defects and improving reliability.
- Built and maintained **CI/CD pipelines** with **GitHub Actions** and **Jenkins**, streamlining deployment and testing.
- Managed **AWS** infrastructure (**S3**, **EC2**, **API Gateway**, **Lambda**, **IAM**, **Route 53**, **CloudWatch**) to support critical business applications.
- Used **Terraform** and **Docker** to provision and manage scalable environments efficiently.
- Worked in **Agile** teams (**Scrum/Kanban**), collaborating via **Jira** and **Confluence** to ensure smooth project delivery.

10/2019 - 08/2021 **Web Developer at NHS Midlands & Lancashire CSU**

Streamlined website production by creating custom Joomla extensions and blank templates, reducing development time and minimising reliance on external plugins, leading to cost savings.

- Designed and developed websites using **HTML**, **CSS3**, and **PHP**, ensuring alignment with project specifications and client requirements.
- Implemented responsive designs and enhanced web styling with **SASS** and **SCSS**, improving maintainability and design consistency.
- Developed and customized PHP-based CMS platforms, incorporating **MySQL** database management to support dynamic content and data-driven features.
- Configured websites, intranets, and extranets to meet the unique needs of healthcare communications.
- Collaborated with team members using **Trello** to manage tasks, track progress, and ensure timely project completion.

01/2010 - 09/2019 **Freelance Web Designer / Developer at Aledesign.co.uk**

Built long-term relationships with clients by delivering high-quality websites and ensuring customer satisfaction through ongoing support and tailored solutions.

- Designed and developed websites using Joomla, WordPress, and static HTML/CSS, adapting to diverse client needs.
- Created visually appealing interfaces and graphics using Adobe Photoshop for web design.
- Provided customer training and support, empowering clients to manage their websites independently.
- Delivered ongoing maintenance, applying security updates, resolving bugs, and performing data recovery when needed.
- Conducted SEO and speed optimization analysis, improving website performance and visibility.

Education

09/1995 - 06/2001 **I.T.I Scientific School Tortoli (A-Level)**

subjects Mathematics, Physics, History, Philosophy, Art History, Latin, Literature, English, Biology, Chemistry.

Other Courses

Computer Science University of Genoa (Italy)

2008 Databases, Logic, Computer Architecture, Computational Mathematics 2.

2007 Discrete Mathematics, Computational Mathematics 1.

2006 Probability and Statistics, Graphic User Interfaces.

2005 Basic IT, English Language (PET Certificate).

