

Dan Sarracayo - Full Stack Engineer

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Profile

I am a passionate, curious and highly enthusiastic full stack software engineer with 8+ years professional experience in designing, building and testing website systems with an emphasis on security and code quality. My long list of interests extend far beyond software, branching into many unexpected interests! I pride myself in being very affable, I love to learn, mentor and really enjoy challenging my beliefs.

Skills and Interests

Software

I have dabbled in many forms of software, from web technologies to desktop applications and games and even some mobile development and integrated systems (like Arduinos).

I have specialised into web development and have applied my wide knowledge base of software to my work. I enjoy continuously learning new technologies, frameworks and libraries as a hobby and exploring how they could impact my professional work too.

Design

I took to art from a young age and use my intrinsic creativity in my other work. I care about how a product looks and feels just as much as the code that builds it.

I have a broad understanding of UX and UI design, having designed some of my own software and have been actively involved in designing commercial solutions throughout my career.

DevOps

The foundation of any software developer, in my opinion!. I take pride in speeding up my workflow using the CLI and scripts, as well as being well versed in Unix and Unix-like systems.

I tend to try all the command line tools I can lay my hands on and very much enjoy discussing unix setups with my peers.

Security

I have built up my knowledge in IT security hand in hand with my software focused roles throughout my career and have put it to great use in my work. I really enjoy learning about the intricacies of IT security and have toyed with the idea of breaking into the industry one day! For now, it has a special and forward place in my work.

Education and Certificates

A Level - Applied Science

A Level - ICT

City & Guilds - 2 Merits

A Level - Design and Technology

GCSEs - 8 A* - Cs

MWR & CybSafe - Certified

Proficiencies

HTML	CSS	JavaScript	NodeJS	PHP	MySQL	MongoDB
React	AWS	Typescript	Express	Jest	Postgres	Redis
CLI	Apache	Nginx	Cypress	Sequelize	Linux	MacOS

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Experience

December 2021 to Present **Invision360** - Full Stack Developer

Role

As a full stack developer, I joined Invision360 as the first permanent developer. I chose to join Invision360 for the social mission and how I could use my skill set to really make a difference to people's lives. I initially worked with a team of consultants and helped architect and build the centrepiece product from the ground up. This multi-tenant product found almost all of its complexities in user management and authentication as well as reporting and data heavy dashboards.

As we grew the permanent team, I found myself in a critical position where I helped onboard engineers and mentored junior members of the team too. It has been really rewarding to see how my contributions have helped shape the team and software too. Recently I have now moved onto our latest project, finding myself as a sole engineer architecting and building our latest AI-powered product, and excitedly helping grow the team yet again!

Technology

We have employed an interesting range of technologies where the needs of our products have changed over time. Some frontend libraries include React, Vue and NextJS with and without various UI libraries. Our backend applications are solely NodeJS utilising either Express or Fastify and either MongoDB, DynamoDB or Postgres. We have utilised microservices and currently monolithic architectures. More recently I have been learning and utilising AWS Amplify Gen2.

June 2021 to December 2021 **Verafide** - Full Stack Web Developer

Role

As a full stack web developer, I was involved in developing the Verafide platform MVP, as well as developing payment features in a later release and have now been tasked with maintaining the platform in general.

I was also tasked with developing our public SDK, for use by both organisations and clients. This taught me a lot about how open source code should be written and relied heavily on my security knowledge when designing APIs. I also continue to work on SETL projects as Verafide is a subsidiary of SETL.

Technology

The technologies I work with are; React with Typescript and UI libraries on the UI, NodeJS with NestJS and Typescript on the server side, as well as MongoDB, Redis and Postgres.

July 2017 to June 2021 **SETL** - Full Stack Web Developer

Role

As a full stack web developer I was involved in designing, building and maintaining SETLs back-office projects. The projects are built directly atop SETLs Blockchain

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technology, leading to some complex systems stacks, APIs and a demand for excellent cross-team communication.

At SETL I took my security knowledge to the next level, with support from the company and some self learning. I also had some experience in delegating and managing work with other developers, having been placed as a sub team lead for a project for one and a half years.

Technologies

Some of the technologies I used are; Angular and React with Typescript and UI libraries, PHP and NodeJS with NestJS while using websocket and restful APIs, and MongoDB, Redis, MySQL or PostgreSQL where necessary.

Dec 2015
to
July 2017

GFM - Junior Web Developer

Role

As a junior web developer, I was initially tasked with supporting other developers and maintaining our web games, promotions and marketing sites. I quickly gained trust in my work and was tasked with independent work and direct communication with our clients.

Technologies

We used a range of technologies; ranging from Perl CGI sites backed by OracleDB to more modern PHP sites using WordPress or Laravel as well as AngularJS or BackboneJS web games all backed by MySQL and Redis.