

Stuart Todd

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An experienced software developer based in Stockton-on-Tees with a cultivated coding background through extensive work in C++, C#, and Java programming during my undergraduate and master degrees in Computer Science. With 15+ years of experience acquired through employment and freelance projects developing and delivering diverse software projects.

Technical Expertise

I honed my skills at distinguished development companies, implementing design patterns, supervising developers, and ensuring adherence to SOLID principles. My focus is on overseeing projects with scalability, performance, and comprehensive test coverage in mind.

Skills: PHP, Go, React, React Native, Typescript, Vue, Docker, Git.

Frameworks: Laravel, CodeIgniter, Magento, WordPress.

Data: MySQL, Elasticsearch, MongoDB.

Methodology: Test Driven Development (TDD), Design Patterns, SOLID principles.

Growth Mindset & Mentorship

Embracing a growth mindset, I guide and support junior developers, fostering continuous learning. My dedication to learning not only elevates my work but also opens doors to fascinating freelance opportunities.

Quality Code & Sustainable Development

I believe in striking a balance between delivering high-quality code and meeting deadlines. Rushing through projects might provide short-term gains, but it often leads to a messy codebase, making future development challenging. It's about building robust, maintainable code that stands the test of time.

Projects

These projects exemplify my commitment to crafting intuitive interfaces and robust functionalities. I thrive on challenges and am always seeking opportunities to enhance my skills and contribute to meaningful ventures.

Half Shell Studios - <https://www.halfshellstudios.co.uk>

A software house specialising in delivering clean, tested, robust and high-quality web and mobile app solutions.

Bet Hustle - <https://www.bet-hustle.co.uk>

Matched betting service with reload offers, sign-up offers, and odds finder/calculator tools, simplifying the complexities of betting for users.

Bet API - <https://www.bet-api.uk>

Providing in-depth football statistics, accurate bet predictions via email alerts/API, and a user-friendly control panel displaying leaderboards and bet explanations.

Experience

Half Shell Studios (Founder / Contractor) Nov 2023 - Present

Half Shell Studios is a software house specialising in delivering clean, tested, robust and high-quality web and mobile app solutions. Crafting custom software solutions tailored to your business needs.

Your Parking Space, March 2024 - June 2024 (Contractor)

Assisted with the building of a ANPR reads application; an event driven architecture built in AWS. Worked on several backend services using Laravel, MongoDB and PHP. Also, created an AWS Lambda built using GoLang.

All code tested and clean.

Gecko Ltd (Senior Developer) Jan 2022 - Nov 2023

Building Gecko Capture; a React native application. Additionally, working on the rest of the Gecko product suite using *PHP, MySQL, Laravel, Javascript and Angular*.

Techquity (Lead Developer) Aug 2021 - December 2021

Working on the Aero e-commerce platform.

PHP, MySQL, Laravel, Vue, Tailwind.

Visualsoft Ltd (Technical Team Lead) Mar 2021 - Jul 2021

Managed a team of developers. Carried out code reviews, quality control and worked on client projects /integrations

PHP, Laravel, MySQL, HTML, CSS and Javascript.

Contractor/Freelancer (Software Developer) Nov 2017 - Mar 2021

Working on various projects including a Khaos integration to wholesale retailer and several branched off retail sites.

PHP, MySQL, Laravel, CSS, HTML, Python, Vue & ElasticSearch.

Visualsoft Ltd (Enterprise Team Lead) Nov 2012 - Nov 2017

Managed a small team of developers focusing on delivering client projects through specs, development, testing and quality control.

PHP, MySQL, HTML, CSS and Javascript.

Simply Thank You Ltd (IT Manager) Jan 2009 - Nov 2012

Complete control of the company websites. Responsible for the companies Search Engine Optimisation policy and creating new and exciting web projects.

PASS Ltd (PHP Developer) Mar 2007 - Jan 2009

PHP, HTML, CSS, MySQL.

Education

University of Teesside

- **MSc Computing**
- Studied part-time completing my MSc in Computing, modules include Distributed Database Systems, Developing Web Applications in ASP.NET, Advanced Java Programming, Computer and Network Security and Networks and Systems Administration.

University of Hull

- **BSc Computer Science**
- During my degree I have created various applications such as databases, games (Hangman and Space Invaders), and programs where I have had to deal with the limitations of a mobile device.
- Coded in C++/OpenGL and Java/OpenGL with OpenAL sound incorporated. For my University final year project I developed a Fireworks Display Simulator, which uses a particle system and binds textures to polygons and triangle strips to generate the fireworks effects.