

THOMAS HARDCASTLE

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Seasoned software engineer with 5 years of experience, proficient in C#, Python, JavaScript. Skilled in Agile practices and tools like Git, JIRA, Azure, and Visual Studio. Known for high-quality coding and effective team collaboration, I'm proactive in taking on more responsibilities and aim to evolve into a senior developer role.

EDUCATION

o **University of Lincoln, UK** **Lincolnshire, United Kingdom**
Bachelor's degree, Computer Science with
honors **Sep 2019 – June 2022**

SKILLS

- **Back-End Development:** C#, .NET 4, .NET 5, .NET 6, NoSQL, MongoDB, Angular,
- **Front-End Development:** JavaScript, React
- **Development Tools & Methodologies:** Agile Methodologies, Azure DevOps, CI/CD, Elasticsearch and Kibana

EXPERIENCE

STECH

Junior Software Engineer (*remote*)

United Kingdom
Mar 2024-Present

Stech is a London-based PaaS company where Gambling providers host their games online for players

- Sole developer to interact with a backend infrastructure software for the players, liaising daily with Customer Experience to deliver a safe and secure environment for players.
- Demonstrated proficiency in stakeholder engagement, presenting development plans for bug fixes and feature implementations.
- Worked tactfully with bugs and features in order to absorb infrastructural knowledge when operating around time sensitive deadlines, in an Agile project-based fashion.
- Daily proficient usage and demonstration of my skills in the .Net framework using the C# language, in combination with SQL to maintain our backend services.
- Handling CX tickets to clear time sensitive issues, such as high value players being blocked by Gamstop or a CDD bug.
- Presented usage of searching backend logs within Elasticsearch and visualizing the data with Kibana to determine if a bug is an issue or is a one time event with more clarity.
- Implemented a fully functional Gamstop feature to work alongside SEON and Iovation in our BackOffice software which feedback from CX agents was returned as a positive implementation.
- Fixed a recurring bug with CDD which was blocking thousands of players daily, therefore clearing our CX agents time with that and allowing them to move along in their process faster.
- Weekly SQL, Elastic and Postman diagnosing whilst liaising with Payments to clear up left out or misaligned data from PaymentIQ, Trustly and TrueLayer.

AECOM

Junior Data Engineer (*remote*)

United Kingdom
Dec 2023-February

AECOM is the engineering and construction consulting firm, listed in NYSE: ACM, delivering the technical service through the project lifecycle.

- Utilized Natural Language Processing for internal projects

AECOM

Software Engineer – Digital Solutions Software Developer (*remote*)

United Kingdom
Feb 2023-Dec 2023

AECOM is the engineering and construction consulting firm, listed in NYSE: ACM, delivering the technical service through the project lifecycle.

- Engineered standalone apps for data backfilling in databases during issues.
- Actively supported colleagues with their user stories and tasks.
- Ensured code security and adherence to development design patterns.
- Engaged in daily code reviews, stand-ups, sprint meetings, and user story point estimations.
- Demonstrated proficiency in a tech stack including SQL, NoSQL, Docker, Kubernetes, C# .NET, Python, Powershell, TypeScript, Angular

- Collaborated efficiently within a large team environment and diverse colleagues and clients throughout the UK, Australia, India and US to build understanding of the business.
- Involved the valuable projects such as
 - o ProgramAdvance is a project and program management software crafted to streamline project oversight and enhance stakeholder engagement. It equips project managers with tools for efficient tracking and resource management, while offering stakeholders clear insights into their investment outcomes. The user-friendly platform boasts customizable dashboards, milestone alerts, and investment analytics, all secured by robust data protection measures. Designed for adaptability, ProgramAdvance integrates smoothly with existing systems, supporting scalability and informed decision-making for optimized returns. This project is published in the company annual newsletter,
- Skilled in Agile methodology, with knowledge of the Waterfall methodology. I've adeptly navigated sprint iterations, efficiently resolving bugs and enhancing system performance. My approach to complex assignments involves thorough analysis, adaptive problem-solving, and strategic code enhancements. I've driven innovation by proposing practical, logical methodologies that align with project objectives and have actively shaped development strategies through collaborative planning and technical insight.

PC Futures Ltd

Software Engineer – Full Stack *(remote)*

PC FUTURES LTD is a Software and Web development business based in Ipswich, Suffolk, UK.

United Kingdom

Sep 2022-Dec 2022

- In my mid-level engineering role, I've specialized in creating Customer Relationship Management (CRM) systems, utilizing a tech stack that includes Git, TypeScript, React.js, Node.js, Laravel, PHP, and JavaScript. My responsibilities extend beyond coding; I mentor junior team members and lead the architectural design and continuous enhancement of our CRM projects, ensuring scalability and a seamless user experience. This includes proactive code reviews and the integration of new features to support business objectives and user needs.

University of Lincoln

Software Engineer – Full Stack *(remote, separate to degree)*

The University of Lincoln, top 150 as listed in the Times Higher Education 2023 rankings.

Lincolnshire, United Kingdom

Oct 2019-June 2022

- As a junior team member concurrently pursuing my degree, I enhanced a web app by optimizing backend interactions and integrating APIs to streamline the UI. I also worked on improving code quality through unit and integration tests with Jest and Enzyme with JavaScript and TypeScript. My role included assisting in code reviews and learning to develop C# programs for various applications as well as utilizing c++ for internal tools for operating systems such as the library booking system.

STAR-IT

Hardware Technician – Internship *(In-office)*

Star IT is a leading managed IT support company in Cambridge and surrounding areas.

St-Ives, Cambridge, United Kingdom

April 2017-June April 2017

- During my internship as a Hardware Technician, I tackled various challenges related to employee PC issues. My role involved troubleshooting to determine the cause of hardware failures, managing the careful replacement of defective components, and ensuring systems were restored to full functionality. I also specialized in hardware analysis, evaluating and upgrading components to optimize performance. A significant part of my responsibilities included data recovery, where I used advanced tools to retrieve vital information from compromised storage devices. This experience honed my technical skills and highlighted the importance of proactive problem-solving and data preservation in the IT field.

CERTIFICATES

- Java: Java Programming and Software Engineering Fundamentals, Object-Oriented Java Programming
- Data Structures: Data Structures and Beyond Specialization
- General CS: Introduction to Computer Science and Programming
- IT: System Administration and IT Infrastructure Services
- SQL; SQL for Data Science (Grade Achieved: 98.83%)
- Microsoft Azure Fundamentals AZ-900

ACHIEVEMENTS

- Hackathon Winner: Led the team to victory at the University of Lincoln's Hackathon in both 2020 and 2021.
- Managed to Graduate during a Global Pandemic in Computer Science.