

Ned Grady

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Full stack developer with a passion for problem solving, forming good relationships with stakeholders and sharing expertise to drive successful outcomes. I have been programming for over 10 years, starting in my spare time at school.

Industry Experience

Insight Investment

Software Engineer – August 2019 - October 2022

Senior Software Engineer - October 2022 - present

- Part of a product team managing the Compliance technical ecosystem
 - Created resilient, cloud-first greenfield products that enhanced Insight's ESG & client mandate management capabilities (dotnet core, react, T-SQL, Azure)
 - Technically strategic projects, e.g. tackling tech upgrades and EOL
 - Proactively tackled bugs and technical debt in existing products handling pre & post-trade compliance checks, market trigger management, enterprise scale ETL (Java, various .NET frameworks)
 - First team to use EF Core, TypeScript and Azure Data Factory
 - TDD Talisman for the team
- Ownership of my team's CI/CD capabilities (Azure, TeamCity, Octopus, Docker)
 - E.g. Code coverage, EF Core migrations, Storybook
- Cross-team projects
 - Order Management integration
 - Provided access to the Compliance ecosystem as a Service
- Leading meetings such as sprint demos/other agile ceremonies
- Mentoring in Associate Developer programme

Web Applications UK, Software Engineer – June 2018 - July 2019 & 2016-2017 (Between year 2 and 3 of university, 13 months)

- Enterprise travel software system customizations (C#, VBScript/Classic ASP, T-SQL)
 - Developed a new module that integrates a workflow for tracking and resolving complaints for clients.
 - Integrated with a third-party payment provider giving the client more flexible payment options
 - Part of the 'Extrali' team, responsible for upgrading & cross-browserifying clients' core systems (node)
- Remote Database Administration (Sql Server)
 - Server/query/index tuning
 - Data recovery & backups
- Liaised with clients and provided support/bug fixes (C#, VBScript, T-SQL, JavaScript)
- Reviewed functional specifications and provided feedback/time estimates
- Tested new system developments/bug fixes
- Ran code clubs, mentored work experience students
- Trusted as part of the release team (manual releases & rollbacks)
- Solutioning, technical & domain knowledge sharing

Education

University of Nottingham – Computer Science with Year in Industry, 2014-18 (2:1):

Highlighted Modules: Compilers, Computability, Algorithms & Data Structures, C++ Programming, Parallel Programming, Assembler.

Oldham Sixth Form College, 2012-2014

Computing (A), Maths (B), Physics (B) at A Level

Saddleworth School, 2008-2012

3 A*, 7 A and 1 B at GCSE Level

Soft Skills

Here's a selection of soft skills that I value and apply day-to-day:

- Active listening to stakeholders and understanding their needs
- Challenging stakeholders to ensure the best outcomes
- Being honest, reflective and taking accountability for mistakes to improve
- Strong verbal and written communication skills, with the ability to convey information concisely
- Proficient in technical reading and writing
- Comfortable giving and receiving constructive feedback in an objective and professional manner
- Open to asking for and providing help to foster a collaborative work environment

Technical Skills

Due to the depth and breadth of my programming experience I can use many languages and pick up required languages quickly. I am most familiar with C-derivative languages. Here is a selection:

C# * T-SQL * JavaScript/Typescript * VBScript * HTML/CSS * C/C++ * PowerShell * Kotlin

Learning never stops. I enjoy taking a look under the hood where appropriate - I'm always ready to get my hands stuck into a T-SQL execution plan, for example. Here's a few with which I am most familiar:

SQL Server * Classic ASP * ASP.NET (Full Fat & Core) /MVC * Node.js * React * Git * TeamCity * Octopus * Azure * Docker * Message Queuing

As I contribute to codebases my guiding principles are centred on creating a codebase that is easy to understand and can be adapted with confidence in the future.

- Apply TDD principles with vigour, focusing on testing real-world outcomes rather than code.
- Favour immutability, where possible
- Write code that reads like natural language
- Adhere to standard principles such as DRY, SOLID, and YAGNI.
- Have a sense of stewardship for the codebase
- Favour pair programming where appropriate
- Automate as much help as I can get - code analyzers, cautious use of ChatGPT
- Keep cyclomatic complexity low
- Continually balance time & space complexity/efficiency vs readability

Personal Interests & Qualities

Open-mindedness. I appreciate new experiences, meeting new people and generally being exposed to diverse perspectives and ideas. It allows me to broaden my horizons and challenge my own preconceptions.

Improving as a developer. When I'm feeling conscientious in my spare time I enjoy reading a blog post or working on personal projects, some of which are as follows:

- <http://www.nedgrady.co.uk/blog>
- <https://github.com/nedgrady>

Sharing knowledge. I love sitting down with friends who are new/aspiring developers and discussing some of the fundamentals in as much depth as I know.

I help run [CodeandStuff](#) on Thursday evenings, which is an event for aspiring new developers. I often have follow up one to one sessions with attendees with the goal of landing their first job.

Chess. If we are pairing & waiting for the CI server to build, this is the perfect time for a game of bullet chess (1 minute per person).