

Contact

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Top Skills

C#

Angular

SQL

Honors-Awards

Vote of Thanks

Shortlisted in the Future Stars of Tech - Developer Category

Q2 2020 Quarterly Rockstar

Sonya Nadesan

Software Engineer at Jefferies | Treasury Technology
London, England, United Kingdom

Summary

I am a hard-working and passionate Software Engineer with over five years' commercial experience, currently working for an investment bank, Jefferies. Since graduating with a BSc (Hons) First Class in Software Engineering from Kingston University, I have worked for several companies, allowing me to explore organizations of varying size, industry, culture and technologies. Throughout my career, my work has been recognised through various means – being shortlisted in the Future Stars of Tech, being recognised in our Quarterly Rockstars during my time at Mimecast, and more recently, being promoted, here, at Jefferies. Currently, I am involved in the development of web applications (full stack), Windows services and Power BI reports, whilst expanding my knowledge of the banking world. I am heavily involved in mentoring and training new joiners and further contribute to the culture at Jefferies as an active member of ERGs, which aligns well with my interest in volunteering – raising awareness, participating in research, donating and supporting campaigns. I am a proud supporter of Cancer Research UK and British Heart Foundation.

Experience

Jefferies

4 years

Associate Software Engineer

December 2023 - Present (1 year 7 months)

Bishopsgate London | Industry: Investment Banking | Team: Treasury |
Received Promotion | Hybrid

Development

- Development of greenfield web application in .NET 8, EF Core, Angular, RxJS and DevExtreme
- Contributed in the design decisions on the technologies and approaches to be used

- Studied the architecture (internal/external/vendor applications, databases, MQs, SFTPs & DBs)
- Contributed to application remediation – performing major upgrades and fixing SSL issues
- Gained experience with testing frameworks including xUnit, Moq, Reqnroll (Specflow) and Gherkin
- Developed robust Windows Services to communicate data between applications
- Heavily involved in designing screen layouts with user experience in mind
- Refactored code responsible for payment netting, modification and approval workflow
- Involved in the migration from Swift MT (ISO15022) to Swift MX (ISO20022)
- Developed Power BI visualisations and working knowledge of DAX theory and writing formulae

Other Responsibilities

- Good knowledge of Bamboo's hierarchy and the role of servers, BitBucket, agents, JFrog and IIS
- Investigate issues in our new CI/CD pipeline to support the "Build Once, Deploy Anywhere" process
- Provide production-line support to prevent the firm from having to face penalty charges on delays
- Developed knowledge of the trade life cycle: execution, matching, booking, settlement, post-trade
- Awareness of the various markets: Forex, Equities, Fixed Income, Derivatives and Repo (Collateral)
- Awareness of the role of the Swift Network, Swift Message Types and their uses
- Represented Treasury Technology in networking events to advertise the Internship Programme
- Mentoring graduates and training new joiners – explaining technical concepts, goal setting
- Active member of ERG, J-Able (rebranding, events, raising awareness and fundraising)
- Familiar with RedGate, WinSCP, IBM MQ Explorer, GitHub Co-Pilot, Power BI and DAX Editor
- Follow Scrum methodology - participating in daily stand ups, sprint planning and design meetings

Analyst Software Engineer

July 2021 - November 2023 (2 years 5 months)

Bishopsgate, London | Industry: Investment Banking | Team: Treasury •
Remote; Hybrid since Nov 2021

GTMS Portal - JefCast

- Front-end development of complex, reusable components in Angular, saving development time
- Extended functionality of components provided by third-party UI component library, DevExtreme
- Developed features that were compatible with both data grids and pivot grids
- Developed features displaying updates in real-time using web socket technologies such as SignalR
- Developed Web APIs and back-end services in .NET Core, C# and MS SQL Server

Other Responsibilities

- Mentoring interns/grads – explaining technical concepts, helping them debug code/fix Git issues
- Presented projects to tech teams across the firm covering background and technical overview
- Involved in providing code reviews, testing, deploying and releasing to both QA and production
- Produced Wiki pages on reusable code written in .NET and Angular via Confluence
- Currently learning cloud computing using Amazon Web Services (AWS)
- Participated in events organised by various employee resource groups across the firm
- Working knowledge of the domain: brokers, securities, cash usage, settlements and trading
- Familiar with tools such as VS, VS Code, Jira, GitBash, Dev Tools, Event Viewer, Bamboo and IIS

Mimecast

.NET Developer

May 2020 - July 2021 (1 year 3 months)

Broadgate, London | Industry: Cybersecurity | Team: Marketing

- Developed features and programs in C#, ASP.NET MVC and EpiServer
- Participated in code reviews and deployed code to test and live environments
- Took ownership of redeveloping features to improve maintainability, testability and efficiency

- Took ownership in developing code to alter the hierarchy of pages in EpiServer for SEO
- Improved page load time by writing code to enable lazy-loading of all images defined in the CMS
- Developed various advanced find and replace tools for EpiServer using reflection
- Actively participated in meetings, suggesting ways to improve how we deliver as a team
- Helped fellow developers by explaining various technical concepts – clean code, EpiServer etc.
- Involved in recruitment - writing job descriptions, reviewing CVs and interviewing candidates
- Initially a contract role under LMA Recruitment; offered the permanent role in November 2020
- Work was recognised by Senior Management in Mimecast's Global Marketing Q2 Rockstars
- Confident in version control via the UNIX shell using the command language, Bash
- Familiar with tools including Visual Studio, GitHub, Jira, Slack, Dev Tools, Azure DevOps

Marie Curie UK

Junior .NET Developer

February 2019 - March 2020 (1 year 2 months)

Vauxhall, London | Industry: Non-Profit | Team: Marketing • On-site (remote as of March 2020)

- Worked on several web applications written in C#, .NET Framework, MVC and JavaScript
- Good knowledge of various software Design Patterns and SOLID Principles
- Good knowledge of Entity Framework (code-first, database-first, graphs and states) and LINQ
- Good knowledge of CMS development using EpiServer which was used for the main site
- Considered data requirements when making changes to the database design for new features
- Gained experience in authentication using ASP.NET Identity and awareness of security issues
- Worked in a Scrum team – attended stand-ups, retro, sprint planning and backlog grooming

- Familiar with Visual Studio, GitHub, Fiddler, Slack, Jira, Trello, ClubHouse and Azure DevOps

I decided to leave after being offered three jobs but due to the pandemic and lockdown, the accepted offer was pulled a couple of days before the agreed start date. I started interviewing virtually for a month and was offered four more jobs, giving me plenty of options in who I wanted to work for next!

GenSight

Graduate Developer

July 2017 - February 2019 (1 year 8 months)

Hampton, Greater London, United Kingdom | Industry: Portfolio Management |

Team: Product

- Took full ownership of the development of financial tools using MS Excel and VBA
- Tools were developed for high-profile clients including Johnson & Johnson, GSK and Pfizer
- Heavily involved in writing test cases and unit tests for the complex and reusable macros I wrote
- Optimized performance of VBA macros from 20 mins to under 10 seconds
- Touched on web development in VB.NET (webforms), JavaScript and AJAX
- Familiar with tools including Visual Studio, Git (using Azure DevOps) and Dev Tools
- Involved in organising Christmas events including Secret Santa and Charity Fundraising.

Kingston University

Teaching Assistant

September 2016 - April 2017 (8 months)

London, United Kingdom

- Provided support to first-year and second-year students during lab sessions
- Provided support for two modules – Programming and Databases

Kingston University

Academic Mentor

September 2015 - June 2016 (10 months)

London, United Kingdom

- Arranged regular one-to-one and group sessions – both online and on-campus to first-year students
- Explained technical concepts and set challenges to help students consolidate their knowledge/skills

- Advertised the mentoring scheme to courses across the university at various showcase events
- Identified students with special needs and provided flexible sessions to cater for individual needs
- Directed students to services to support their needs – from SEN assessments to financial support

Education

Kingston University

BSc(Hons), Software Engineering · (September 2014 - July 2017)

Wallington High School for Girls

Grammar School · (September 2010 - June 2014)

Old Palace Of John Whitgift

Independant School · (January 2010 - July 2010)

Norbury Manor Business & Enterprise College

Comprehensive School · (September 2007 - December 2009)