NECEMON YAI

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Profile

- Full-Stack Senior Software Engineer : developing Mobile, Windows and Web applications/services
- 10+ years programming experience with JavaScript, C# and the Microsoft .NET Framework
- Master of Engineering (MEng, Computing), Microsoft Certified Solution Developer since 2008
- E-Commerce Professional with a deep understanding of Financial Services, Securities and Derivatives
- Meticulous, quick learner, hard worker with excellent quantitative, analytical and management skills
- Versatile, multilingual personage with proven adaptability to diverse cultural and business environments
- Project Leader and Digital Artist : a smart blend of Design, Technology and Strategy

Key Technical Skills

- <u>Project Management:</u> Planning, Problem Solving, Flexibility, Autonomy, Mentoring, Effective Communication
- <u>Software Methodologies:</u> SOLID principles, TDD, BDD, Agile Development and Extreme Programming
- <u>Web Programming:</u> ASP.NET Web Apps (Core/MVC/Razor/WebForms), Web API/Services (SOAP/WCF/REST)
- <u>Digital Arts & Web UI/UX:</u> Photoshop, HTML, CSS, JavaScript, AJAX, TypeScript, jQuery, Angular, React JS
- <u>Asynchronous Programming:</u> Multi-threading, Windows services, WinForms applications, XAML/WPF applications
- <u>Data Programming:</u> SQL, JSON, XML, XSLT, ADO.NET, LINQ, Entity Framework, SQL Server, Azure SQL
- <u>Mobile Programming:</u> Xamarin, Android, iOS, Xamarin.Forms, Responsive Design, Bootstrap
- <u>Testing:</u> Unit Testing with MS-Test/NUnit/xUnit/Moq, Automatic Acceptance Tests with SpecFlow and Selenium
- <u>DevOps/Architecture:</u> Azure Cloud, Azure DevOps, Git/TFS, CI/CD, IIS, IaC (YAML/Terraform), PowerShell

Career Summary

Software Engineer at **Vanquis Bank, The Provident Financial Group**, *London* (**UNITED KINGDOM**)
February 2019 – Present
Working for the Leading Bank in the exceptional credit market, helping people achieve their financial goals. Providing E-Commerce solutions for various financial services, including Credit Cards, Loans and Bonds. Working in a highly agile environment within the Commercial Engineering Team. Known in the team as "The Bug Smasher". Awarded by Senior Management as the Top Performer of all of the IT Commercial Engineering Department. Has often been the only Software Engineer in charge of development and support for the major bank websites, including vanquis.co.uk, aquiscard.co.uk, chromecard.co.uk and origincreditcard.co.uk. Main accomplishments include:
- Massive set of functional improvements across the main pages/features: home/landing pages, enquiry/application forms, affordability, calls to action, referrals, web widgets, digital welcome calls, affiliate journeys, APIs integration.
- Large number of UI/UX enhancements on both internal and customer facing screens: responsiveness, scalability, accessibility, image sliders, hero headers, positioning/indexing, margin/padding/spacing, sizing, styling, animation
- Delivering new systems. Fully-featured Blog Platform with a focus on SEO & responsive navigation. Knowledge Base system for Frequently Asked Questions with Smart Search & Rating abilities. Cookies Management mechanism enabling custom content for different user types. Personalised decision screens showing time-sensitive content, with support for weekends & bank holidays. Custom Breadcrumb Trail & Menu Navigation. Open Banking Integration.
- Developing new Loans Products and migrating Websites into Azure Cloud, as part of a cross-functional team.
- Clearing bugs and technical debt throughout the bank systems. Supporting UAT and Live releases.
- Writing and running functional A/B tests, unit tests, integration tests, acceptance tests and regression tests. Extensive collaboration with Test Engineers, helping them write multi-threaded test methods.
- Team Player. Helping teammates leverage Umbraco Templates and Content Management features. Reporting and addressing Security/Vulnerability issues. Occasionally leading Sprint Meetings such as Retrospective Sessions.
Technologies: C#, JavaScript, Umbraco CMS, jQuery, Angular, .NET Core, Selenium, SpecFlow, Terraform, YAML
Skills acquired: Azure (Cloud Storage, Service Bus messaging, Durable Functions, WebJobs), CI/CD, Test Automation

Software Development Team Leader at **Evasium**, *London* (***UNITED KINGDOM***)
December 2010 – Present
Both an engineer and a manager. Coding on a daily basis. Working on a series of side projects including:
- Babi Fraya (babifraya.com): an online video game, a point-and-click adventure game.
  Technologies: C#, XAML Animations, Expression Blend, Photoshop.
- Bavardica (bavardica.com): a Silverlight 2D chat application. Users can create and customise animated characters to represent them on the scene while they interact in a form of virtual world.
  Technologies: C#, ASP.NET, Silverlight, SQL Server, SOAP/WCF Duplex web services.
- Notiflux (notiflux.com), Kpakpatoya (kpakpatoya.com) and 3 other social media news platforms where users can publish, vote, comment and browse content.
  Technologies: C#, LINQ to Entity Framework, Windows Services, security/cryptography, Web API, content minification/bundling, DevOps (configuring deployment, IIS, virtual directories, ports, application pools, etc.)
- Evasium.com: Corporate Website developed with Umbraco CMS, .NET 4+, SQL Server.
- Freelance projects for ReUse Connection: redesigned the front page, built a messaging system with ASP.NET.
Skills acquired: self-education, team management (3-to-7 persons), marketing strategy (150,000 Twitter followers).

Software Engineer at **URIS Group, Direct Group, Ardonagh Group**, *England* (***UNITED KINGDOM***)
October 2017 – February 2019
Where Insurance and Innovation combine: integrating the latest technology with great customer service to provide end-to-end insurance solutions across a variety of sectors. Crafting Windows and Web solutions for business partners (such as Lloyds Bank, The AA and Towergate Insurance) and their customers. Supporting and enhancing internal software solutions. Operating within an agile development team of 10-to-15 professionals, including testers and business analysts. Nominated for the company Rewards and Recognition Awards.
Technologies: ASP.NET/Desktop Apps, Win/Web Services, EF, PowerShell, SQL Server Reporting/Integration Services
Skills acquired: project leadership in financial services, data protection and legal compliance in the finance industry.

Software Developer at **Webigence**, *London* (***UNITED KINGDOM***)
May 2016 – September 2017
At Webigence.com, .NET development specialists and Microsoft Certified Gold Partner. Building and supporting large applications for established businesses, predominately with complicated technical requirements, within a team of 5 to 10 engineers. Major clients included no1lounge.com, y.co and hugofox.com. Key contributions included:
- <u>Web applications and APIs:</u> bespoke web portals, content management systems and E-Commerce platforms
- <u>Mobile applications</u>: for Android and iOS using Xamarin Forms, Custom Renderers, MVVM Architecture
- <u>Windows services:</u> advanced multithreaded Web scraping tools
Technologies: C#, ASP.NET Core, Xamarin, SQLite, Entity Framework, NoSQL Databases (MongoDB, Azure DocumentDB), ever-evolving JavaScript libraries/frameworks.
Skills acquired: detailed work reporting (billing clients by the hour using timesheets), collaborating with remote teams, code reviews, mentoring juniors, Dependency Injection, Inversion of Control, Repository and Unit of Work patterns.

Software Developer at **Golfbreaks**, *Windsor* (***UNITED KINGDOM***)
March 2012 – May 2016
Worked with the various departments to determine requirements and implementing them accordingly. Investigated and fixed issues throughout all systems as they arose. Development of golfbreaks.com, teeofftimes.co.uk, bookaspa.com and other core systems within a team of 5-to-12 persons. Individual projects completed include:
- <u>Correspondence system for communication with customers and suppliers</u>: to generate and send PDF/HTML outputs documents such as quote options, payment and booking confirmations, balance reminders, vouchers, invoices and loyalty programme letters (invitations, registration confirmation, password reminder, etc.). Key features include previewing, branding, e-mail tracking, integration with websites and internal systems, administration interface.
- <u>Image management system</u>: key features include image uploading, browsing, editing, SEO, moving, sorting, displaying/hiding. Integration with websites and internal systems. Interacting with various image APIs.
- <u>Competitor analysis tool</u>: parsing competitor websites with Html Agility Pack, storing and comparing prices.
- <u>Welcome screen for the reception desk</u>: GUI tool to schedule, manage and list daily visitors information.
- <u>Banner builder</u>: WPF tool for designing ad banners by inserting product details/offers, dynamic prices and images.
- <u>Recruitment section</u> of the main website: customisable recruitment form, integration with Salesforce API.

- <u>Various internal automation tools</u>: generating promotion codes, detecting invalid pages, transferring translated content, importing/exporting website data, charting system errors and notifications, etc.
- <u>Graphics works</u>: Web Design, maintenance pages, video editing, advert animations, etc.

Technologies: C#, ASP.NET MVC, EpiServer CMS, jQuery, WPF, XAML, LINQ to SQL, XSLT, JSON, Web Services.
Skills acquired: E-Commerce, Taking Responsibility, Unit Testing, TFS Version Control, Documentation, Agile Spirit.

Web Developer (Trainee) at **Pingar**, *Swansea* (***UNITED KINGDOM***)
November 2010 – August 2011
Industrial class project: built an ASP.NET MVC Analytics Engine, leveraging the Facebook API and the Pingar systems.
Skills acquired: identifying issues, gathering relevant data, using available information and insights to solve problems.

IT Officer at **The Business And Economics Society**, *Swansea University* (***UNITED KINGDOM***)
October 2010 – June 2011
Managed the society website and data, mostly related to users, sales and events.
Skills acquired: User Membership Management, flexibility (keeping up with the society and website requirements).

Web Developer (Intern) at **General Electric (GE Energy)**, *Hyderabad* (***INDIA***)
June 2010 – September 2010
Creation of data tables and User Friendly ASP.NET Web Interfaces for tracking, reporting and searching order details.
Skills acquired: Refactoring, GE Code of Conduct at Work (Highest Integrity & Commitment), effectively managing time to meet deadlines.

Webmaster at **the Association of Christian Christites**, *Christ University, Bangalore* (***INDIA***)
July 2007 – September 2009
Website design and development. Also worked on various publications such as posters, magazines and newsletters, as a member of a 4-to-6 persons group.
Skills acquired: HTML, CSS, Web Design, Graphic Design, Accountability, Teamwork.

Microsoft Certifications

September 2016	MCSD: **Microsoft Certified Solution Developer - App Developer**
February 2016	IKM Score: **92%** (C# Programming Proficiency)
April 2015	MCSD: **Microsoft Certified Solution Developer - Web Developer** MS: Microsoft Specialist (Programming in HTML5 with JavaScript and CSS3)
July 2013	MCPD: Microsoft Certified Professional Developer - Level 4 MCTS: .NET 4, Web Applications, Data Access, Service Communication Applications
January 2011	TS: Microsoft .NET Framework 3.5, ASP.NET Application Development. MCPD: Designing and Developing ASP.NET Applications Using .NET Framework 3.5
November 2008	MCTS: Microsoft Certified Technology Specialist - .NET Framework 2.0 Web Applications (C#) MCPD: Microsoft Certified Professional Developer - Web Developer

Education

Swansea University, *Swansea* (***UNITED KINGDOM***)
September 2009 – June 2011
- Master of Engineering (Computing) : Upper Class
- Core Modules: Computer Graphics, Data Visualisation, Marketing, Virtual Life, Building Reliable Web Applications, Mobile & Internet Computing, Artificial Intelligence, Interaction Technologies, Cryptography & IT Security.

Christ University, *Bangalore* (***INDIA***)
June 2007 – September 2009
- Bachelor of Computer Applications : First Class
- Transferred to Swansea University during fifth semester.
- Core Modules: Mathematics, Statistics, Data Structures, C/C++/Java/VB.NET Programming, Technical English, Corporate Finance, Software Engineering, Databases Management.

NIIT (National Institute of Information Technology), *Bangalore,* (***INDIA***)
September 2006 – September 2009

- ANIIT Diploma in Software Engineering : Ranked as "Good"
- Core Modules: Object Oriented Programming, .NET Framework, Graphical User Interfaces, Project Management, SQL Database Management, UML Design, Web Application Technologies, Distributed Application Development.

Additional Information

- Utilized effectively other programming languages, essentially Java, C, C++, Python and VB.NET.
- Exposure to several other technologies, including but not limited to, Reactive Extensions, Linux/Ubuntu, RabbitMQ, ElasticSearch, Knockout.js, Node.js, Vue.js, SignalR, MongoDB, Docker, Kubernetes, Ansible & Microsoft Dynamics.
- Has a methodical, structured and diligent approach to getting things done with a focus on Customer Empathy.
- Comfortable with a high degree of decision making responsibility and accountability.
- Author of numerous Essays and Articles on Technology and Strategy: NeceMoon.com.
- Affiliate Member of the Chartered Institute for Securities and Investment (CISI).
- Proficient in German. Fluent in English and French.

Past and current projects descriptions and demonstrations available at www.necemon.com