Anup Nair

Mobile: +1(201) 755-3163 | anup@HiFiCoding.com | Blog: HiFiCoding.com | North Arlington, NJ

Experienced software developer specialized in high performance computing

Skills:

Stack Experience: .NET (8 years), LAMP (2 years), NodeJS (2 year)
Language: C#, JavaScript, Scala, Lua, Python, F#, Q#, R, Java, Swift, C++, Rust, Elm
Web: React, AngularJS, TypeScript, Redux, Electron, Cordova
Database: MS SQL server, MongoDB, MySQL, Sybase, PostgreSQL, Apache Spark, Apache Cassandra
Cloud: Azure, AWS, Google Compute Engine
Known Concept: Concurrency (Multi-threading), Parallelism and Concurrent collections, OAuth, Reverse Proxy, OOP, Functional Programming, Multitenancy, Relational Data, Quantum computing, TCP/IP, SOA, Design patterns.

Publications

SignalR Blueprints (ISBN-10: 1783983124 ISBN-13: 978-1783983124)
Packt Publishing February 1, 2015
Building ASP.NET web applications with SignalR.
Role: Reviewer

Experience

Senior Software Engineer at Moodys
Dec 2016 - Present (1 year 3 months)
Roles & Responsibilities:
• Develop multithreaded/parallel processing, high performance and low latency backend API in C# (.Net core 2), MongoDB (In Memory), Linux, SQL server.
• Reiterate the base performance and redesign to reduce resource consumption and shorten request latency.
• Develop frontend in JavaScript, NodeJs, React, Redux.
• HTTP Reverse proxy, caching and user authentication in Lua on NginX/Kong and Apache Cassandra.
• Deployment automation using Jenkins, Docker. Write deployment automation scripts.

Analyst at Orion Systems Integrators, LLC.
July 2014 – Nov 2016 (2 years 5 months)
Client: **KPMG**
Roles & Responsibilities:
• Developed frontend in WPF, Telerik (thick client version) and AngularJS, JavaScript, HTML5, CSS, Bootstrap (for new thin client version).

• Developed multithreaded/parallel processing, high performance and low latency backend services in C #.
• Developed communication layer using WCF (net.pipe,net.tcp), Web API & SignalR.
• Developed normalized data stores in SQL server and ETL packages using SSIS.
• Worked on POC's which involved:
    • Using F# to validate the feasibility of functional development approach.
    • Communicating with R & Python using .NET for the Data Analytics team.
• Worked closely with Software architects to improve code base performance algorithm redesign, reduce resource consumption and shorten request latency.
• Analyzed and debugged difficult application issues, identified bottlenecks and optimized product performance to improve user experience.
• Participated in Sprint planning sessions, work closely with Service Delivery Managers, Client BA and team members to analyze and deliver solutions for time critical issues to meet SLAs while ensuring quality of deliverable.

Technical Lead at iGATE Global Solutions
February 2011 - July 2014 (3 years 6 months)
Client: **Universal American**
Roles & Responsibilities:
• Developed frontend in ASP.NET Web Forms, Telerik, JavaScript, jQuery, HTML, JSON, and CSS.
• Developed backend code in C#.
• Developed large number SSIS packages which used formatted text/excel files (HIPAA EDI) to input, extract and process large amounts of data for Claims and Authorization processing.
• Developed web services in WCF which communicated with TriZetto – Facets.
• Coordinated with business subject matter experts to gather, analyze and document requirements.

Software Engineer at Market Place Tech. Pvt. Ltd.
September 2010 - February 2011 (6 months)
Client: **Bombay Stock Exchange**
Roles & Responsibilities:
• Developed frontend in ASP.NET Web Forms, Telerik, Infragistics, JavaScript, jQuery, HTML, JSON, and CSS.
• Developed backend code in C#.
• Developed normalized data stores in SQL server.

Education
University of Mumbai
Masters in Computer Applications, 2006 - 2009
Grade: B+
University of Mumbai
Bachelor of Science in Information Technology, 2003 - 2006
Grade: A