Jay Umesh GURNANI
Software Engineer

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JG

6 years of professional programming experience with a broad knowledge of backend and frontend systems. Seeking to develop these capabilities by working as a contractor in a development position with an emphasis on high volume processing.

☰ SKILLS

Programming Languages	Microsoft .NET (C#, VB.Net), Java, SQL and Javascript
Frameworks	.NET Framework, .NET Core and Windows Services
Frontend	AnguarJS and jQuery
Web Applications	CSS, Bootstrap, HTML, MVC and WebAPI 2
Databases	SQL & NoSQL - MS SQL Server, Stored Procedures and Performance tuning
Cloud Computing	AWS : CloudSearch, SQS, S3, DynamoDB and EMR
Scripting	Python, Perl and PowerShell
Methodologies	Agile/Waterfall Software Development and Test Driven Development
DevOps Technologies	TeamCity and GitFlow branching models for continuous integration
Software Architecture	Object Oriented design, Service Orientated Architecture and RESTful Architecture
Software Design	DRY, SOLID, YAGNI and Dependency Injection

💼 EXPERIENCE

Present
February 2018

LEAP Legal Software | .NET DEVELOPER (CONTRACTOR)
London, United Kingdom
> Improved system performance by up to 100% by analyzing and rewriting poorly performing SQL queries
> Modified internal .NET tools to move client data between AWS Data Centers

C# | .NET | SQL | AWS

February 2018
November 2016

LEAP Legal Software | .NET DEVELOPER
Sydney Australia
> Migrated over 3000 firms from an EC2 SQL instance to RDS, saving up to $5,000 per year in AWS hosting cost
> Modified internal tools saving 4 hours per firm when migrating data
> Rewrote the document preview system and added additional file types to be cached, improving cache hits by 10%
> Saved 5% of AWS infrastructure costs per quarter by moving multiple applications logs from disk to SumoLogic
> Introduced Flyway for database deployments, saving up to 30 minutes per database deployment
> Architected and built document searching abilities using AWS CloudSearch without adding additional load to the SQL database

C# | .NET | SQL | AngularJS | AWS | TeamCity | Flyway

August 2016
January 2013

PricewaterhouseCoopers (PwC) | .NET DEVELOPER & LEAD SQL DEVELOPER
Sydney, Australia
> Initiated, prototyped and architected the Cross-Brower project – a 2-year project to bring existing software up to modern web standards
> Rewrote SQL queries and fixed database indexes, improving performance by up to 100
> Subject-matter expert on SQL performance tuning and technical code reviewer for backend and middle tier code (25+ Developers)
> Automated various business processes through PowerShell and Perl saving up to 30 minutes during deployments
> Identified new application bottlenecks to be fixed by using JMeter and Visual Studio Load Test
> Architected and built software to manage the movement of Enterprise data using SQL Replication and SSIS

VB.NET | SQL | jQuery | Powershell | Perl | JMeter | SSIS

February 2011 September 2010	Academia Sinica | Intern Ruby on Rails Developer Taipei, Taiwan > Introduced Atlassian's FishEye for SVN Commit visualizations resulting in better project planning > Improved accessibility for application admin webpage making the overall system more user friendly Ruby

⊙ Open Source Projects

2016	DJI Android Mobile SDK | Major feature additions https ://github.com/jaygurnani/Android-GSDemo-GoogleMap > Added features to save energy consumption and flight trajectory data gathered from SDK into SQLite > Automated drone waypoint movements Android SDK Java SQLite
2016	SumoLogic – Automated Application Logging | Major bug fixed https ://github.com/SumoLogic/sumologic-net-appenders > Fixed critical bug found in sample code – Pull requests accepted C#
2016	Flyway – Automated database deployment | Found minor bug https ://github.com/flyway/flyway > Found bugs related to SQL comments being deleted from the deployment process – Discussion on-going C#

🎓 Education

2016	**Master Of Information Technology (With Excellence)** University of New South Wales - Sydney, Australia High Distinction Average (Top 9% in class)
2012	**Bachelor of Science (Computer Science)** University of New South Wales - Sydney, Australia Credit Average (Top 50% in class)

🌐 Languages

English ●●●●●
Mandarin ●●●●●
Hindi ●●●○○

✻ Certifications

> Microsoft 70-461 : Querying SQL Server
> IKM : Microsoft .NET Framework 4.5 Programming using C#

✎ Technical Articles

Async and Await Operations
https ://jaygurnaniblog.wordpress.com/2017/05/19/async-and-await-operations

Lucene Parsing Engine in AWS with Special Characters
https ://jaygurnaniblog.wordpress.com/2017/05/03/lucene-parsing-engine-in-aws-with-special-characters