

Jay Umesh GURNANI

Senior Software Engineer

 [linkedin.com/in/jay-gurnani](https://www.linkedin.com/in/jay-gurnani)  github.com/jaygurnani

 +44 7846 855328  jay.gurnani@gmail.com

 London, United Kingdom

 <http://jaygurnani.github.io>












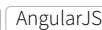

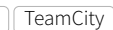


7 years of professional programming experience with a broad knowledge of backend and frontend systems. Seeking to develop these capabilities by working as a contractor in a development position with an emphasis on high volume processing. Capable of running global teams as a principal developer.

SKILLS

Programming Languages	Microsoft .NET (C#, VB.Net), Java and SQL
Microservices	Docker, RabbitMQ and ActiveMQ
Cloud Computing	AWS : CloudSearch, SQS, S3, Lambda DynamoDB and Fargate
Frameworks	.NET Framework, .NET Core and Windows Services
Frontend	AngularJS/Angular and ReactJS
Databases	SQL & NoSQL - MS SQL Server, Stored Procedures and Performance tuning
Unit Testing	Moq, NUnit and Selenium
Methodologies	Agile/Waterfall Software Development and Test Driven Development
DevOps Technologies	TeamCity, Octopus Deploy and GitFlow
Software Architecture	Object Oriented design, Service Orientated Architecture and RESTful Architecture
Software Design	DRY, SOLID, YAGNI and Dependency Injection

EXPERIENCE

Present May 2018	TotalJobs Group SENIOR .NET FULLSTACK DEVELOPER (CONTRACTOR/PERM) London, United Kingdom <ul style="list-style-type: none">> Architected and built a producer/consumer microservice emailing system capable of sending 2 million emails per day> Architected a ReactJS application that came in 3 flavors : iFrame, embedded widget and a fully hosted website for 3rd party clients to integrate with and integrated these with 4 clients> Designed and built high volume 4 microservice systems (upwards of 1 million requests) that handled email subscriptions, job searching and event tracking for various front ends> Travelled to Poland and Belgium to coordinate with international teams and led design sessions with both teams> Built ReactJS application that allowed the business to one click deploy a job board website with a customizable theme> Created a continuous integration system using Docker, AWS Fargate, Octopus Deploy and Postman> Developed Regression suite with Selenium allowing for automated regression and continuous deployments <div>      </div>
May 2018 November 2016	LEAP Legal Software .NET DEVELOPER Sydney, Australia and London, United Kingdom <ul style="list-style-type: none">> Improved system performance by up to 100% by analyzing and rewriting poorly performing SQL queries> Fixed 30+ bugs with existing legacy AngularJS and WebAPI applications> Created 20+ RESTful API endpoints using ASP.Net WebAPI> Converted legacy .NET 4.5 web applications to .NET Core 1.1 and deployed code to production> Architected and built document searching abilities using AWS CloudSearch without adding additional load to the SQL database> Saved 5% of AWS infrastructure costs per quarter by moving multiple applications logs from disk to SumoLogic <div>      </div>

August 2016
January 2013

PricewaterhouseCoopers (PwC) | .NET DEVELOPER & SQL DEVELOPER
Sydney, Australia

- Designed and built high traffic, client facing website applications using MVC 5, ASP.NET and the Razor engine
- 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%
- Converted 4+ business specifications into functional and thoroughly tested web applications
- Automated various business processes through PowerShell saving up to 30 minutes during deployments
- Architected and built software to manage the movement of Enterprise data using SQL Replication and SSIS

VB.NET SQL ASP.Net MVC jQuery 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 ongoing

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#
- IKM : Microsoft SQL Server 2014 Programming

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>