# Jay GURNANI

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JG

## Senior Software Engineer at Atlassian

Multi-lingual senior software engineer with a decade of professional programming experience. Broad knowledge of backend and frontend systems. Seeking to develop these capabilities by working as a principal engineer with an emphasis on high volume processing. Capable of converting vague and unstructured business ideas into tangible software results.

## ☰ SKILLS

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|---|---|
| Languages | Kotlin, Microsoft .NET (C#) and ReactJS |
| Frameworks | Spring Boot, .NET Core and NodeJS |
| Software Architecture | GraphQL, Object Oriented, RESTful Architecture |
| Cloud Computing | AWS, Microsevices, Docker, Terraform |
| Databases | SQL, NOSQL and Performance tuning |
| Unit Testing | Mockk, NUnit, JUnit, Wiremock |
| Methodologies | Agile/Waterfall Software Development and Test Driven Development, SCRUM |
| Software Design | SOLID principles, Event driven architecture |

## 💼 EXPERIENCE

**Present**
**May 2020**

**Senior Engineer, ATLASSIAN, Sydney Australia**
- Founding team member of project Compass and brought daily active users from 0 to 4700 over 2 years - https://www.atlassian.com/software/compass
- Feature lead across multiple geo (Sydney and Silicon valley) for Compass's Activity Feed which currently has 100 daily active users
- Lead GraphQL API developer and architected over 21 mutation and 30 queries
- Interim engineering manager for 6 months and responsible for coaching and mentoring 4 senior developer and 4 junior developers
- Part of the company internal hiring team and conducted over 15 technical interviews for senior level engineers

GraphQL | Kotlin | Typescript | SpringBoot | Node | AWS | ReactJS

**April 2020**
**May 2018**

**Senior .NET Engineer, TOTALJOBSGROUP, London United Kingdom**
- Built a producer & consumer microservice emailing system capable of sending 2 million emails per day
- Designed and built 4 high volume microservice systems (upwards of 1 million requests) that handled email subscriptions, job searching and event tracking
- Architected and built 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 6 clients
- Travelled to overseas offices to train offsite teams in writing high performing C# code and AWS queuing technologies such as SES and SNS

C# | .NETCore | ReactJS | Docker | AWS | ActiveMQ | Terraform

| | |
|---|---|
| May 2018<br>Nov 2016 | **.NET Engineer, LEAP Legal Software, Sydney Australia & London United Kingdom**<br>❯ Improved system performance by up to 100% by analyzing and rewriting poorly performing SQL queries<br>❯ Fixed 30+ bugs with existing legacy AngularJS and WebAPI applications<br>❯ Created 20+ RESTful API endpoints using ASP.Net WebAPI<br>❯ Architected and built greenfield document searching service using AWS CloudSearch improving customer experience by 50%<br>❯ Saved 5% of AWS infrastructure costs by introducing SumoLogic<br><br>`C#` `.NET` `SQL` `ASP.Net` `AngularJS` `AWS` `TeamCity` |

## Open Source Projects

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|---|---|
| 2020 | GraphQL-Markdown, Fixed minor bug,<br>https://github.com/jaygurnani/graphql-markdown<br>❯ Found bugs related to rendering GraphQL in markdown – Pull request pending<br>`NodeJS` |
| 2016 | DJI Android Mobile SDK, Major feature additions,<br>https://github.com/jaygurnani/Android-GSDemo-GoogleMap<br>❯ Added features to save energy consumption and flight trajectory data gathered from SDK into SQLite<br>`Android SDK` `Java` `SQLite` |

## Education

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|---|---|
| 2016 | **Master Of Information Technology (With Excellence)**<br>*Thesis Topic : An In-Depth Analysis of Drone Movements and Drone Energy Efficiency*<br>University of New South Wales - Sydney, Australia<br>High Distinction Average (Top 9% in class) |
| 2012 | **Bachelor of Science (Computer Science)**<br>University of New South Wales - Sydney, Australia<br>Credit Average (Top 50% in class) |

## Languages

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

## Certifications

❯ Udemy : Kotlin for Java Developers
❯ Microsoft 70-461 : Querying SQL Server
❯ IKM : Microsoft .NET Framework 4.5 Programming using C#
❯ IKM : Microsoft SQL Server 2014 Programming

## Publications

1. A. Fotouhi, M. Ding et M. Hassan (2018). "DroneCells : Improving 5G Spectral Efficiency using Drone-mounted Flying Base Stations". In : *IEEE Transactions on Mobile Computing*. URL : `https://arxiv.org/abs/1707.02041`.

2. "Lucene Parsing Engine in AWS with Special Characters" (2017). In : URL : `https://jaygurnaniblog.wordpress.com/2017/05/03/lucene-parsing-engine-in-aws-with-special-characters`.