



## MADHAV SOMANI

Seattle

### Contact

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### Summary

Ambitious developer specializing in AI/LLM/RAG and Network management and cross platform apps for web, Windows, Android, iOS, and Mac. Lead engineer on Azure Network Copilot. Strong in C#, Cosmos DB, Kusto, and distributed systems. Motivated builder who drives projects end to end within collaborative teams. Focus on reliability, security, and cost efficiency with creative edge from 2D and 3D apps.

### Skills

- JAVA / C / C++
- AI/LLM/RAG
- OOP / SPRING
- SOFTWARE DEVELOPMENT
- HTML / CSS
- ANGULARJS / React
- TIZEN / WEBOS
- C# / JAVASCRIPTS
- SOLR/CASSANDRA
- ANDROID DEVELOPER
- AJAX/ JSON / JDBC
- DATABASE DESIGN
- DEBUG AND DOCUMENTATION
- TECH SUPPORT / TEAM LEAD
- GIT / GRADLE / MVC
- SQL / MYSQL / AZURE

### Certifications

- Certified Cyber Security Expert.
- Certified Information System Security Professional
- Certified Ethical Hacker

## PROFESSIONAL EXPERIENCE

### Software Engineer-II (Full-Time)

09/2021 – Present

#### Microsoft – Seattle (USA)

- Lead and built Azure Network Copilot using LLM/RAG to deliver accurate network diagnosis
- Built C# microservices integrating Azure Resource Graph, Kusto, and AVNM
- Optimized Cosmos DB with smart partitioning and indexes.
- Built and scaled Azure services for reliability, security, and cost efficiency across sovereign clouds

### Senior Software Engineer (Full-Time)

07/2019 – 09/2021

#### Visa Inc – Austin (USA)

- Designing and implementing system modules based on React/Groovy/GO and using Java
- Worked on SOLR and Apache Cassandra (DataStax) to maintain database efficiency.
- A CQLSH implementation of deep pagination with cursor in API to fetch large search set

### Software Developer (Intern and Co-op)

06/2018 – 12/2018

#### LobbyTV – Fort Worth (USA)

- Designing and implementing system modules based on AngularJS and using C# / .NET
- Worked on Tizen 3.0 and WebOS 3.0 on lobbyTV streaming and error handlers.

### Lead Software Developer (Intern and Full-Time)

07/2016 – 07/2017

#### Buzzinga Labs – Nagpur (India)

- Developed program for modification and integration in Android/React environment.
- Led and completed live project "Restaurant Gamification" in under 5 months.

### Game Developer (Intern)

06/2016 – 11/2016

#### Lemon Ideas – Nagpur (India)

- Developed and implemented complex Internet applications on multiple platforms.
- Developed a Unity3D game known as "PlanetRoll" which is live on Google Play.

### Teacher (Full-Time)

12/2011 – 12/2012

#### Innobuzz – Nagpur (India)

- Lecturer of Ethical Hacking and Android

## EDUCATION

### Master of Science: Computer Science

08/2017 – 05/2019

#### The University of Texas at Arlington

Top of class with GPA 3.5 out of 4

### Bachelor of Science: Computer Engineering

07/2013 – 07/2017

#### St. Vincent Pallotti College of Engineering at Nagpur

Top of class with GPA 3.8 out of 4

Outstanding Personality, Elocution and Debate Achievement Awards

## ACCOMPLISHMENTS

- Guest lectured on Artificial Intelligence at the University of Washington (2025)
- First position in National level APPATHON 2015 and 2016
- First position in National level HACKATHON 48 hr. Coding Challenge (2015,2016,2017)
- Runner up at National level APPFLUX Competition 2015-IIT ROORKEE
- Featured in various National Newspaper like 'The Hitavada', 'Times of India', etc.
- Featured in talk show at various FM Radio Channel such as 'Radio Mirchi'.

## PROJECTS

- **Advanced SOS:** Detect Accidents automatically through Artificial Intelligence.  
Unity 3D | C# | Git | Vs 2017 | ASP .NET Core | Azure Machine Learning Studio
- **Bhaji Bazaar:** Simplicity meets the window shopping. Vegetable market.
- Java | Google Firebase | Android Studio | REST API
- **Smart WiFi attendance:** WiFi attendance System for University and Colleges  
ASP.NET MVC 5 | Entity Framework | Bootstrap | .NET 4.7 | VS 2017 | MS SQL Server | Android
- **lobbyTV:** Promote your business, products or services with its simple to use platform.  
HTML | CSS | JavaScript | AWS | Angular JS | REST API | Search API | JSON | C#
- **Augrat:** Generate buggy android code for comparing program analysis tools like Leak Canary, Heap Hero etc. FindBugs | SonarLint | HeapHero | HTML | CSS | JavaScript | SWING | Java | Git