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## YOGESH DHANAPAL

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### Profile

5+ years of work experience in software engineering and in developing geospatial solutions

Can quickly learn new technology and apply it in practice

Published a GIS book for javascript developers

Conducted Training Sessions on topics like .NET Application Development and also on developing web applications with GIS capabilities

### Experience

GIS Applications Developer, Timmons Group — 2015-Present

Software Engineer, Tech Mahindra — 2010-2015

Intern, RRSSC, ISRO, Bangalore — 2009-2009

Experience working in Object Oriented and Functional programming

Problem Solving and Coding Skills with Data Structure and Algorithms

Comfortable writing code with Design Patterns

Developing Web Applications using ASP.NET Web Forms and MVC

Developing HTML5 SPA applications using NodeJs, AngularJS and React

Developing REST and SOAP web services using WCF, ASP.NET WebAPI

Experience developing High performance Real Time Applications using WebSockets and long pooling techniques

Experience developing performance forward proxy for authenticating the media streaming services

Developing XAML based applications such as Silverlight, WPF

Developing Secure WebApplication using Windows Authentication, Forms based

Authentication, OAuth 2.0 (Authorization) and Web API authentication using JSON

Web Tokens

Developing WebApplications avoiding common security vulnerabilities such as SQL Injection, CQRS

Comfortable conducting penetration testing on WebApplication

Good understanding of Cryptographic Techniques

Developing Desktop Applications using Windows Forms, WPF

Working with RDBMS such as SQL Server and Oracle Database

Working with SQL Server Spatial, Oracle Spatial, SQL Server and CLR

Extensions Comfortable working with NoSQL Database such as MongoDB

Working with Hadoop Distributed File System and developed Map Reduce Jobs

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Trained in Native IOS Development using Swift

### Projects

GIS Services, CHART, Richmond, VA — May 2015 - Present  
Common Mapping Component, VDOT, Richmond, VA — Dec 2015 - Feb 2015  
P4 - Project Prioritization App, NCDOT, Richmond, VA — May 2015 - Oct 2015  
GIS Services, Chevron; India & Houston, Texas — Dec 2014 - May 2015  
GIS Services, Chevron; India & Lafayette, LA — Dec 2011 - Nov 2014  
Vehicle Tracking System, Mahindra Logistics; India — Jun 2011 - Dec 2011  
Remote Monitoring System, Generac; India — Sep 2010 - Jun 2011

### Education

College of Engineering - Anna University, Guindy; Chennai, India — Bachelors of Engineering in Geoinformatics, 2010

### Skills

**Microsoft Suite** — C, C++, .NET, C#, Windows Forms, WPF, Silverlight, WCF, ASP.NET Webforms, ASP.NET MVC, ASP.NET WebAPI, SignalR, ADO.NET, LinQ, SSRS, SSIS, Microsoft Enterprise Library, PRISM, MEF, Task Parallel Library  
**Web Development** — HTML5, CSS3, JavaScript, Dojo, Nodejs, AngularJS, React, Bower, Grunt, JQuery, JQuery Mobile, Bootstrap, JSON  
**Mobile Development** — IOS  
**Programming Languages** — C, C++, C#, Java, Scala, Python, JavaScript, SQL, R, Swift  
**Database** — SQL Server, Oracle, PostgreSQL and MongoDB  
**Cloud** — Google App Engine, Microsoft Azure, Amazon Web Services  
**Version Control System** — GIT, TFS, SVN  
**Continuous Integration** — Jenkins  
**OS** — Windows, Linux (Ubuntu, Kali)  
**Distributed Computing** — Hadoop  
**Machine Learning** — GraphLab, SFrame

### Certification

Microsoft Certified Solutions Developer – Web Applications  
Microsoft - Programming in HTML5 with JavaScript and CSS3 Specialist  
Microsoft Certified Professional Silverlight  
ESRI - WebApplications Developer Associate 10.2

### Online Courses

Machine Learning Foundations: A Case Study Approach - Coursera - University of Washington  
An Introduction to Interactive Programming in Python - Coursera - Rice University

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Cryptography I - Coursera – Stanford University

Web Application Architectures - Coursera - University of New Mexico

Introduction to Linux - Edx - Linux Foundation

MongoDB for Developers (M101) - 10gen

MongoDB for DBA (M102) - 10gen

Web Application Engineering (CS253) - Udacity

### **Publication**

ArcGIS for JavaScript developers by Example - Packt Publishing - ISBN

9781785888663

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