Darshil Hirpara

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SUMMARY

Application Development professional successful at developing, deploying and maintaining web and windows applications using C# .NET. Committed to applying knowledge of cloud, web services and full stack web development experience in building interactive and intelligent applications.

EDUCATION

Master of Science - *Computer Engineering*	May 2017
University of Illinois at Chicago (UIC) - Chicago, IL	GPA: 3.5/4.0
Bachelor of Technology - *Electronics and Communication Engineering*	May 2015
Nirma University – Ahmedabad, India	GPA:7.1/10

TECHNICAL SKILLS

Languages: C#, C++, Perl, Python
DBMS: SQL Server, MongoDB
Cloud Computing: AWS, Azure, Docker, Chef, Jenkins
Web Development: AngularJS, Bootstrap, ASP.NET, REST
Routing Protocols: RIP, EIGRP, OSPF, BGP
Networking Protocols: IPv4, IPv6, TCP/IP, UDP, DNS, DHCP, IPsec

CERTIFICATIONS

Red Hat Certified System Administrator	*July '17 - July '20*
AWS Certified SysOps Administrator - Associate	*Apr '17 - Apr '19*
AWS Certified Solutions Architect - Associate	*Mar '17 - Mar '19*
Cisco Certified Network Associate (CCNA)	*Mar '17 - Mar '20*

WORK EXPERIENCE

Application Developer – *UIC- College of Medicine*   *Jun '16 – May '17*
- **Designed** gme-core.org for UIC School of Medicine into a more responsive and user-friendly UI**.**
- Created and deployed 2-Tier **Server less Architecture** using AWS Lambda.
- **Updated legacy database to relational database** using Microsoft SQL Server.
- Developed e-learning platform using **Identity framework 2.0 and log4net to provide additional security.**
- Designed robust data analyzing tool to increase the horizon of end users using NVivo, C# and SQL.
  Environment: ASP.NET MVC, EF 6, C#, SQL Server, AngularJS, Bootstrap, AJAX, AWS.

Programmer Analyst – *Cognizant (India)*   *Sept '15 - Nov '15*
- Responsible for design and coding as part of an Agile development team.
- Developed Generic classes for Business Layer and Data Access Layer using C#.
  Environment: ASP.NET, MVC, C#, AngularJS, Bootstrap, REST, MS SQL Server.

Software Engineer Intern – *TatvaSoft (India)*   *Jan '15 - Aug '15*
- Created Activity Scheduler that manage the routines of the doctors working for a hospital.
- Developed application to feed in the details to the scheduler like breaks, leaves or appointments.
- Created unit tests with VSTest to improve overall design and remove bugs.
  Environment: C#, MySQL, ASP.NET Web API, REST, XML, JSON, AJAX, Azure.

ACADEMIC PROJECTS

Software Vulnerability Analysis
- **Created exploits and defenses to study web** applications which are prone to attacks like Buffer Overflow, Format String vulnerabilities, XSS, XSRF and SQL Injection attacks.
- Analyzed and reported **vulnerabilities in four different password managers** which are used as browser extensions for known vulnerabilities from form action change to Iframe sweep attacks.

Distributed Application with Docker
- **Developed dynamic web application using C#** .NET that uses templates to create quizzes.
- Configured and deployed web app using **Docker containers and AWS Elastic Beanstalk and ECS.**
- Created **report management systems for the quizzes** to analyze and discussion forum for reviewing.

Remote System and Network Monitor
- Created windows based service that monitors systems and network characteristics using C# .NET.
- Implemented **email and text based alert systems** which allows monitoring status of server remotely.
- Created add-on application that included **database query monitoring and website monitoring** (Ping monitoring).