

Chandra Neelam

Software developer - Honeywell UOP

Edison, NJ - Email me on Indeed: [indeed.com/r/Chandra-Neelam/9974cb1c1174159f](https://www.indeed.com/r/Chandra-Neelam/9974cb1c1174159f)

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Software developer

Honeywell UOP - Des Plaines, IL - September 2016 to Present

Des Plaines, Illinois Sep 2016 - Till Date

Portal: <https://www.accessuop.com/>

Project: CPS What-If Performance Analysis

UOP (Universal Oil Products) is the leading international supplier and technology licensor for the petroleum refining, gas processing, petrochemical production and major manufacturing industries. What-if system helps engineers to simulate the plant process by providing custom inputs to measure catalyst performance.

Role Software developer

Environment Angular 2, Typescript 2.0, C# 5.0, WebAPI 2.2, ADO.Net, SQL Server 2012, PostgreSQL, Windows Services, NUnit, RabbitMQ, OAuth 2.0.

Responsibilities:

- Design and develop UI Components using Angular 2 & Typescript.
- Complete UI Development responsibility by co-ordinating with HUE team.
- Model driven UI implemented for Scenario maintain screen.
- Validations implemented based on settings configured at server side.
- Unity container used to inject dependencies.
- Web API 2.2 used to implement Service layer.
- Unit testing done with NUnit. Moq used as mocking framework.
- Database project used to maintain SQL tables schema & master data.
- Created schema based isolation to support multi tenants.
- Deployment configuration (Dev, QA, UAT) done using web.config transformations.
- Source code management (Branching & Merging) in TFS & co-ordination with Tableau team for reports integration.
- Security implemented based on OAuth 2.0 specification. Token generation done using Authorization Code grant flow & OWIN Middleware used to verify bearer token authentication.

Software developer

AQHA - Amarillo, TX - October 2014 to September 2016

AQHA) is the world's largest equine breed registry and membership organization. The organization is dedicated to the preservation, improvement and record-keeping of American Quarter Horse. AQHA have collaborated with Dell to modernize their legacy systems to be stable, high performing and adaptable to the future trends and requirements while maintaining their existing system functionality.

Role Software developer

Environment Angular JS 1.5, Typescript 1.8.2, C#, ASP.Net MVC4, WebAPI 2.2, Entity Framework 6.1.1, SQL Server 2012, Windows Services, NUnit.

Responsibilities:

- Design & develop use case requirements using Angular JS & Web API.
- Complete horse registration module implementation.
- Recursive directives used to implement Horse Pedigree (Up to 5 levels).
- Toastr library used to provide overlay notifications to user.
- Unit testing done using NUnit with Moq & Code Reviews.
- Provide deployment builds for QA & UAT. Handle BA, QA & Client Demos.
- Source code management (Branching & Merging) in TFS.
- Provide guidance to Jr Team members. Burn down charts prepared with the help of TFS data & Excel Macros.
- Jira application used for defect management.
- Security implemented based on OAuth 2.0 specification.
- Entity framework 6.3 used to connect database.
- Framework upgraded from 'Angular JS 1.2 + JS' to 'Angular JS 1.5 + Typescript'.
- Gulp task runner used to prepare production build.
- Front-end models auto-generated using .tt (template) files.
- Read & Write paths isolated in façade layer. Read path made light-weight by switching off the change tracker.
- Audit fields information provided at global level by overriding Entity framework save changes method.

Software developer

Alliance for Telecommunications Industry Solutions - Washington, DC - February 2013 to October 2014

Washington, D.C. Feb 2013 - Oct 2014

Portal: <https://portal.3gpp.org>

Project: 3GPP Ultimate / Minuteman

The 3rd Generation Partnership Project (3GPP) provides their members with a stable environment to produce the Reports and Specifications that define 3GPP technologies. The project covers cellular telecommunications network technologies, including radio access, the core transport network, and service capabilities - including work on codecs, security, and quality of service and thus provides complete system specifications.

Minuteman is a Single Page Application which is created for 3GPP Members to capture voting preferences while conducting technical specification meetings.

Role Software developer

Environment Angular JS 1.2, C#, ASP.Net, DotNetNuke (CMS), WCF, Entity Framework, SQL Server, NUnit.

Responsibilities:

- Asp.Net user controls used to develop DNN modules.
- Angular JS 1.2 used to develop Minute Man application.
- Unit testing done using NUnit & Rhino Mocks (Mocking framework).
- Performed Code Reviews.
- Scripts written to sync up Offline Minute Man data to online 3gpp portal.
- Source code management (Branching & Merging) in TFS.
- Provide guidance to Jr Team members.
- Followed agile methodology. Attend Daily scrum meetings, Sprint planning, grooming, Review & Retrospective meetings.
- Prepare deployment scripts for SQL Server.
- Auto deployable scripts written to deploy DNN Modules.
- Jenkins used to provide builds for QA/PROD.

- Followed SOLID Design Principles & TDD development approach.
- Telerik tree view control used to display work plan.

Software developer

Airbus - Bangalore, Karnataka - June 2012 to January 2013

Bangalore, India Jun 2012 - Jan 2013

Project: Electrical Domain Apps

Airbus is an airline manufacturing company that manufactures civil aircrafts. It is based in Blagnac, France, a suburb of Toulouse, with production and manufacturing facilities mainly in France, Germany, Spain, China, United Kingdom and the United States. Various parts of aircraft manufacture in different countries. Upon completion of the individual sections, all the different sections of the aircraft are then put together in the Final Assembly Line in Toulouse. Electrical Domain applications describes which connection components are prioritized & what are the optimal Manufacturing and Maintenance aspects are considered etc.

Role Software developer

Environment C#, Winforms, ADO.Net, SQL Server, NUnit.

Responsibilities:

- Design & develop use case requirements using C#, ADO.Net & SQL Server.
- Worked with database objects like., Triggers, Procedures, Functions etc.,
- Unit testing done using NUnit.
- Prepare deployment scripts for SQL Server.
- Subversion used for source code management.
- Windows batch files used to generate deployable.
- Implemented Data Access layer using ADO.Net to communicate with the MS SQL server database.
- Infragistic grid used for data presentation.

Software developer

Capita - Bangalore, Karnataka - November 2006 to June 2012

Bangalore, India / Bedford, UK Nov 2006 - Jun 2012

Project: SIMS 7 / 8

School Information Management System is an education management system providing centrally hosted solutions in web environment (SIMS7 is a windows based application). Capita having over 20,000 schools market in England, Wales & Northern Ireland. Application provides various functionalities like attendance management, lesson plans, behavior management, assessment, cover management (for staff), census preparation, report generation etc.

Role Software developer

Environment SIMS 7 - C#, Winforms, ADO.Net, SQL Server SIMS 8 - C#, Silverlight, Entity Framework, SQL Server.

Responsibilities:

- Design & develop use case requirements using C#.
- XML based reporting module developed & provided the ability to design reports by end user.
- ADO.Net used as data layer for SIMS7.
- Part of SIMS7 support team, directly interacting with schools (end users) to investigate issues.
- Entity framework used to connect database for SIMS8 application.
- Drag & Drop scheduling feature provided as part of Cover Management.
- HTML reports generated for census module.

- SOLID design principles used for SIMS8 development.
- TDD approach & agile methodology followed for SIMS8 development.
- Code review & Unit Testing.
- Involved on backend to create Procedures & functions.
- Performance tuning done by changing logic in procedures.
- Design prototypes using Balsmiq Mockups.
- Subversion used as source control.

EDUCATION

Master of Computer Applications in Computer Applications

Sri Venkateswara University

Bachelor of Science

Sri Venkateswara University

SKILLS

C# (10+ years), Angular JS (4 years), Typescript (4 years), Asp.Net MVC (2 years), SQL Server (10+ years), Windows Forms (6 years), Entity Framework (5 years), Web API (4 years)

ADDITIONAL INFORMATION

Technical Summary

- More than 10 years of experience in the IT industry, involved in writing business applications using Microsoft technologies & open source technologies like Angular JS.
- Strong experience in programming Single Page Applications with Angular JS 1.2, 1.5 & 2.0 & Typescript 1.8.2 & 2.0.
- Strong experience in programming with the .NET Framework using C#, Asp.Net, Web API, Asp.Net MVC4, WCF Services, Entity Framework & LINQ.
- Hands on exposure to performance tuning, architecture, design, code reviews and providing technical support to teams.
- Experience in designing real time systems for the Education, Aero and Telecommunication Domain.
- Developed, Configured and deployed a variety of .NET Framework Applications including Win Forms, Web Forms, WCF Services and Windows Services.
- Experience in creating front-end application builds using Gulp & Grunt task runners. Worked with JIT & AOT compilation.
- Strong experience on working with unit testing tools like NUnit, MSTest & Mocking frameworks like Rhino mocks, Moq.
- Strong database development experience primarily using MSSQL Server.
- Experience in using version control systems like VSS, Subversion & TFS.
- Strong understanding in Object Oriented Programming concepts, SOLID Design principles & experience in MVC design pattern.
- Experience in all phase of software design life cycle management and implementation.
- Experience in Waterfall & Agile (SCRUM) methodologies.

Technical Skills

Microsoft Technologies

.Net Framework 2.0, 3.5, 4.5, Windows Forms, Web Forms(Asp.Net), Web API 2.2, Entity Framework 6.1.3, LINQ, ADO.NET, SOAP Web Services, XML, IIS, AJAX

Environment Visual Studio 2003, 2005, 2008, 2013 and 2015, Visual Studio Code, SQL Server Management Studio, SQL Profiler

Languages C# 5.0, ASP.Net MVC4, Typescript 1.8.2 & 2.0, Angular JS 1.2, 1.5 & Angular 2, HTML, JavaScript, JQuery, CSS, T-SQL

Databases SQL Server 2012, 2008, 2005

Testing Tools NUnit, MSTest, Rhino Mocks, Moq, Jasmine, Karma

Source Control Tools Team Foundation Server, Subversion, VSS

Other Tools / Technologies / Libraries Gulp, Grunt, DotNetNuke (CMS), Jira, Jenkins, SSIS, OAuth 2.0, Bootstrap 3.0, Infragistics Controls, log4net, Unity loc