Amritendu Panja

**Objective**

Quickly learn and master new technology, equally successful in both team and self-directed settings, and proficient in a range of computer systems, languages, tools and testing methodologies.

Technical Summary

|  |  |
| --- | --- |
| Languages: | C#, JavaScript, Typescript, Python |
| Frameworks: | .net framework, .net core, ASP.net MVC, Web API |
| Frontend: | HTML, CSS, jQuery, Bootstrap, Angular, Blazor |
| Databases: | Microsoft SQL Server |
| IDE: | Visual Studio, Visual Studio Code, PyCharm |
| Web Servers: | Internet Information Services, Nodejs |
| Source Controls: | Git, Azure Team Foundation Server |

Live Projects

* Working on **PathPlanner** project for **Planiform 1983 Inc**, Canada
  + **Technologies**
    - .net core 8
    - Entity Framework
    - SQL Server
  + **Modules**
    - Warehouse maintenance through multiple types of robots
    - Detecting path conflicts and resolving them
    - Fixing bugs, creating new features, maintain logs
    - Functional testing, maintaining code quality
* Worked on **HiveMind Web Application** project for **Planiform 1983 Inc**, Canada
  + **Technologies**
    - .net core 8
    - Web API (minimal api)
    - Blazor
    - Entity Framework
    - SQL Server
  + **Modules**
    - Displaying schedules for maintenance of robots
    - Floor Management, Inventory management, Kart Management displays
    - Create dashboard for overall system health display
    - Fixing bugs, creating new features, maintain logs
    - Unit testing, maintaining code quality
* Worked on multiple projects namely **Fusion, GroundWork, Operations Portal, GoldFinch,** **Fundation Application** (Small and Medium Business Loan application portal) for **Linear Financial Technologies Ltd** (currently merged with **Amount.com**), USA
  + **Technologies**
    - Angular 11
    - Web API
    - .net core 5
    - Entity Framework
    - SQL Server
    - Moq
    - Microsoft Azure
  + **Modules**
    - Loan Application generation
    - Creating Web APIs for accessing different information of the applications
    - Fixing bugs, creating new features, maintain logs
    - Unit testing, code coverage, maintaining code quality
* Worked on **Claims Manager Application** for **United Fire Group** (UFG) Insurance Company, USA on behalf of **Localligence Inc.** USA
  + **Technologies**
    - Angular 8
    - Leaflet map, Leaflet Draw
    - Web API Service
    - SQL Server
  + **Modules**
    - Login Module
      * Identity server integration with code flow
    - Map display Module
      * Show USA zip polygons on the map
      * Visualizing regions / territories defined by UFG
      * Show claim records on the map
      * Show details of records on claim records
    - Summary Module
      * Show summary as per map state
      * Show claim selections and assignment operations
    - Drawing Module
      * Enable supervisor users to draw and edit geometry shapes on map and do selections based on these shapes
* Worked on **Claims Adjuster Application** for **United Fire Group** (UFG) Insurance Company, USA on behalf of **Localligence Inc.** USA
  + **Technologies**
    - Angular 6
    - Leaflet map, Leaflet Draw
    - Web API Service
    - SQL Server
  + **Modules**
    - Login Module
      * Identity server integration with code flow
    - Map display Module
      * Show USA state and zip polygons on the map
      * Visualizing regions / territories defined by UFG
    - Supervisor Module
      * Enable supervisors to define regions / territories
      * Add states or zips to regions / territories
    - Summary Module
      * Show summary as per map state
    - Drawing Module
      * Enable supervisor users to draw and edit geometry shapes on the map and do selections based on these shapes
* Worked on **CATography Suite Admin Console** (HTML5 version) for **Jardine Lloyd Thompson Re-Insurance** (JLT Re), USA on behalf of **Localligence Inc.** USA
  + **Technologies**
    - ASP.net MVC, jQuery, HTML, CSS, Bootstrap
    - Web API service hosted on Windows Service framework (Owin self-hosting)
    - SQL Server
  + **Modules**
    - User management
    - Client Database management
    - Client portfolio management
    - Client portfolio heatmap generation
    - Client portfolio density map generation
    - Client specific services management
    - Client application access, service access, notification access management
    - Global map layers creation, update, access management
      * Map layers include different types of files including xls, xlsx, mdb, accdb, json, geojson, csv, kml, kmz, shp and also WMS layers
* Worked on **Video Management System** (VMS) plugin application for accessing services and video streams of **On-Net Surveillance Systems, Inc.** (OnSSI), USA for **Galaxy Control Systems** (GalaxySys), USA
  + **Technologies**
    - Windows Presentation Framework (WPF)
    - AxAuga media control (proprietary application of OnSSI)
    - OnSSI Ocularis SDK
    - Windows Sockets, Windows Service
  + **Modules**
    - Retrieving DVR related information from the OnSSI servers
    - Retrieving available cameras and their PTZ (Pan-Tilt-Zoom) capabilities
    - Save the above information via Galaxy System Software developed by GalaxySys
    - Show Live and recorded streams on AxAuga media controls
    - Executing PTZ commands – direct and preset
* Worked on **CATography Risk Manager Application** (HTML5 version) for **Jardine Lloyd Thompson Re-Insurance** (JLT Re), USA on behalf of **Localligence Inc.** USA
  + **Technologies**
    - ASP.net MVC, jQuery, HTML, CSS, Kendo UI
    - Bing maps V8 Web Control
    - Web API service hosted on Windows Service framework
    - SQL Server
  + **Modules**
    - Showing client portfolio heatmaps
    - Showing client portfolio density map
    - Developing service endpoints for showing global map layers
    - Showing global map layers configured for the client
    - Showing selection buffers from the global map layers
* Worked on **Video Management System** (VMS) plugin application for accessing services and video streams of **Digital Watchdog** (DW), USA for **Galaxy Control Systems** (GalaxySys), USA
  + **Technologies**
    - Windows Presentation Framework (WPF)
    - VLC media control for WPF
  + **Modules**
    - Retrieving DVR related information from the DW servers
    - Retrieving available cameras and their PTZ (Pan-Tilt-Zoom) capabilities
    - Save the above information via Galaxy System Software developed by GalaxySys
    - Show Live and recorded streams on VLC media controls
    - Executing PTZ commands – direct and preset
* Worked on **CATography Claims Application** (HTML5 version) for **Jardine Lloyd Thompson Re-Insurance** (JLT Re), USA on behalf of **Localligence Inc.** USA
  + **Technologies**
    - ASP.net MVC, jQuery, HTML, CSS, Kendo UI
    - Bing maps V8 Web Control
    - Web API service hosted on Windows Service framework
    - SQL Server
  + **Modules**
    - Showing client portfolio heatmaps
    - Showing client portfolio density map
    - Developing service endpoints for showing global map layers
    - Showing global map layers configured for the client
    - Showing selection buffers from the global map layers
* Worked on **CATography Insight** application for **Jardine Lloyd Thompson Re-Insurance** (JLT Re), USA on behalf of **Localligence Inc.** USA
  + **Technologies**
    - ASP.net MVC, jQuery, HTML, CSS
    - Birst (Business Intelligence Tool)
    - Web API service hosted on Windows Service framework
    - SQL Server
  + **Modules**
    - Login Module
    - Showing client specific dashboards from Birst
* Worked on **CATography Workers’ Compensation Application** (HTML5 version) for **Jardine Lloyd Thompson Re-Insurance** (JLT Re), USA on behalf of **Localligence Inc.** USA
  + **Technologies**
    - ASP.net MVC, jQuery, HTML, CSS, Kendo UI
    - Bing maps V8 Web Control
    - Web API service hosted on Windows Service framework
    - SQL Server
  + **Modules**
    - Showing client portfolio heatmaps
    - Showing client portfolio density map
    - Developing service endpoints for showing global map layers
    - Showing global map layers configured for the client
    - Showing selection buffers from the global map layers
* Worked on **CATography Underwriter Application** (HTML5 version) for **Jardine Lloyd Thompson Re-Insurance** (JLT Re), USA on behalf of **Localligence Inc.** USA
  + **Technologies**
    - ASP.net MVC, jQuery, HTML, CSS, Kendo UI
    - Bing maps V8 Web Control
    - Web API service hosted on Windows Service framework
    - SQL Server
  + **Modules**
    - Showing Client portfolio recorded policies and clusters on map
    - Developing various map tools (Line, Square, Polygon, Circle, Ring) for selection of records on the map
    - Showing client portfolio heatmaps
    - Showing client portfolio density map
    - Developing service endpoints for showing global map layers
    - Showing global map layers configured for the client
    - Showing selection buffers from the global map layers
* Worked on **CATography Claims Administration Application** (Silverlight version) for **Towers Watson Re-Insurance** (TW), USA on behalf of **Localligence Inc.** USA
  + **Technologies**
    - ASP.net, Silverlight, Telerik controls for Silverlight
    - Bing maps Silverlight Control
    - WCF service
    - SQL Server
  + **Modules**
    - Client Database management
    - Client portfolio management
* Worked on **CATography Claims Application** (Silverlight version) for **Towers Watson Re-Insurance** (TW), USA on behalf of **Localligence Inc.** USA
  + **Technologies**
    - ASP.net, Silverlight, Telerik controls for Silverlight
    - Bing maps Silverlight Control
    - WCF service
    - SQL Server
  + **Modules**
    - Showing client portfolio recorded policies and clusters on map
    - Developing various map tools (Line, Square, Polygon, Circle, Ring, Point-In-Polygon) for selection of records on the map
    - Generating and showing client portfolio heatmaps
    - Generating and showing client portfolio density map
    - Retrieving various types of hazard information like storm, hail, hurricane, earthquake
    - Show the hazard data on map and enable users to buffer on the shapes of the hazard data like wind swaths, earthquake zones etc.
* Worked on **CATography Risk Manager Administration Application** (Silverlight version) for **Towers Watson Re-Insurance** (TW), USA on behalf of **Localligence Inc.** USA
  + **Technologies**
    - ASP.net, Silverlight, Telerik controls for Silverlight
    - Bing maps Silverlight Control
    - WCF service
    - SQL Server
  + **Modules**
    - User management
    - Client Database management
    - Client portfolio management
    - Global map layers creation, update, access management
    - Map layers include different types of files including xls, xlsx, mdb, accdb, csv, kml, shp
* Worked on **CATography Risk Manager Application** (Silverlight version) for **Towers Watson Re-Insurance** (TW), USA on behalf of **Localligence Inc.** USA
  + **Technologies**
    - ASP.net, Silverlight, Telerik controls for Silverlight
    - Bing maps Silverlight Control
    - WCF service
    - SQL Server
  + **Modules**
    - Showing client portfolio recorded policies and clusters on map
    - Developing various map tools (Line, Square, Polygon, Circle, Ring, Point-In-Polygon) for selection of records on the map
    - Generating and showing client portfolio heatmaps
    - Generating and showing client portfolio density map
    - Enabling users to upload files to show on the map in runtime
    - File types include xls, xlsx, mdb, accdb, kml, kmz, csv, shp
    - Save the custom layers as projects
    - Share projects between users
    - Showing globally configured layers
* Worked on **CATography Workers’ Compensation Application** (Silverlight version) for **Towers Watson Re-Insurance** (TW), USA on behalf of **Localligence Inc.** USA
  + **Technologies**
    - ASP.net, Silverlight, Telerik controls for Silverlight
    - Bing maps Silverlight Control
    - WCF service
    - SQL Server
  + **Modules**
    - Showing client portfolio recorded policies and clusters on the map
    - Developing various map tools (Line, Square, Polygon, Circle, Ring, Point-In-Polygon) for selection of records on the map
    - Generating and showing client portfolio heatmaps
    - Generating and showing client portfolio density map
    - Showing various locations with different tiers of danger level to identify areas with potential loss

Experience

* Currently working with **Capital Numbers Pvt. Ltd.** from 7th February, 2021as a .net Developer in Kolkata

**Responsibilities**

* *Developing Web Applications using* ***ASP.net MVC*** *and* ***Web API***
* *Creating and Managing* ***SQL Server*** *Database objects like* ***tables, stored procedures, functions, indexes***
* *Developing frontend Web UI using* ***jQuery, HTML and CSS***
* *Developing applications using* ***Angular 11*** *framework*
* Worked with **Cyberswift Infotech Pvt. Ltd.** from 28th April 2011 to 7th February, 2021as a .net Developer in Kolkata

**Responsibilities**

* *Developing Web Applications using* ***ASP.net MVC*** *and* ***Web API*** *with* ***Bing™ Map v8 Control (JS/JQuery), Leaflet Map Control (Angular), OpenLayers Map Control***
* *Creating and managing* ***Web API*** *Services hosted on* ***self-hosting Owin Windows service, IIS*** *or* ***Nodejs***
* *Creating and Managing* ***SQL Server*** *or* ***Postgresql*** *Database objects like* ***tables, stored procedures, functions, indexes, spatial indexes***
* *Developing frontend Web UI using* ***jQuery, HTML and CSS***
* *Developing applications using* ***Angular 2+*** *framework*
* *Developing desktop applications using* ***WPF***
* *Securing applications or services using* ***OAuth 2*** *security using* ***IdentityServer*** *or* ***Keycloak*** *Server*

Education

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Examination** | **Year** | **Board/University** | **Marks** | **Percentage** |
| Madhyamik | 1999 | WBBSE | 530 | 66.25 |
| Higher Secondary | 2001 | WBCHSE | 633 | 63.30 |
| BA (English Honours) | 2004 | Calcutta University | 359 | 44.99 |
| MCA | 2022 | Amity University | CGPA – 7.28 |  |

Technical Qualification

* **E-Diploma in Advanced Software Technology** from **CMC LTD** (equivalent to BCA)
* **A+** certification course from **IIHT LTD**
* **N+** certification course from **IIHT LTD**

Personal Details

Date of Birth: 29th January 1983

Sex: Male

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Email: amritendu.panja@gmail.com, amritendu.panja@hotmail.com

Phone: (M) +919883409151

Hobbies: Playing PC games, Drawing

Marital Status: Married

Date: 2 January 2025

Place: Kolkata

Amritendu Panja