

Siva Karnati

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MICROSOFT CERTIFIED PROFESSIONAL | AWS CERTIFIED SOLUTION ARCHITECT ASSOCIATE

Application Developer with extensive experience in the complete software application development life cycle (SDLC) from requirements capturing, technical design, developing code modules, unit testing, and post-production maintenance. Extensive experience designing and developing enterprise applications using Microsoft Technologies. Strong knowledge of microservices hosted in Amazon AWS services and Microsoft Azure services. Strong experience in developing web forms, win forms and web user controls, and developing web portals for individuals to enroll in Health Insurance.

TECHNICAL SKILLS

Operating Systems: Windows 98/NT/2000/XP/Vista/Win 7/ Windows 10/2003/2008

Software/Programming Languages/Web Technologies: C# | VB.NET | VB 6 | ASP | ASP.NET | ADO | ADO.NET | Master Pages | Windows Service | Web Services | WCF | Web API | Windows Workflow(WF) | LINQ | Entity Framework | MVC4 | Reflection | Win Forms | SSRS | T-SQL | PL/SQL | VBA | COM | JavaScript | jQuery | Angular JS | Bootstrap | VB Script | AJAX | XML | XSLT | InfoPath | CSLA | AS400 | CL400 | DB400

Databases: SQL Server 2000/2005/2008/2017 | Oracle 12c | MS Access

Web Servers: IIS

Tools: Visual Studio 2022/2019/2017 | TFS | VSTS | VSS | Source Depot | Crystal Reports | Visio | WIX | Octopus | SQL | Server Management Studio | PL/SQL Developer | TOAD | GitHub | GitLab | AppDynamics | New Relic | Kibana | Akamai | Teams | Slack | Docker | AWS | Azure | Azure DevOps | Kubernetes | Cosmos DB

PROFESSIONAL EXPERIENCE

BNY Mellon, TX

August 2021 – Present

Technical Lead

Automated Trade Entry – Process the allocated and settle trades received in blotter file, transform and send it to Solvas Accounting system.

- Involved in story grooming and providing the story points after analyzing the requirements using Agile methodologies.
- Developed the UI screens to display the trades based on trade date, portfolio.
- Developed the SSRS reports which provides success and failed trades.
- Developed the microservices in .net core and c#.
- Developed the background worker service which in turn triggers the microservice to enable the flag to reprocess the failed trades at regular intervals.
- Used dependency injection design pattern in microservice components.
- Used Okta Identity provider to authorize the microservices
- Created the ARM Templates to deploy the microservices to Azure.
- Designed and developed database tables and stored procedures to monitor the discarded trades.
- Coordinated the release with the testing team and developers.
- Lead a team of .net developers and coordinated with the offshore development team.
- Participated in code reviews of the team.
- Supported the data loads to Solvas system.
- Supported the Asset Admin team in daily data issues.

Environment: .Net Core 6.0 | .Net Framework 4.6 | C# | Visual Studio 2022 | GitLab | SQL Server 2016 | ASP.Net, MVC4 | Ajax | Angular JS | JQuery | Azure | Azure Service Bus | Kubernetes | Okta

United Airlines, TX

May 2013 – August 2021

Lead/Sr. Developer

Mobile Receipts – A feature in Mobile App to search, view, and request a copy of the receipt to the email address.

Mobile MyAccount Redesign – Redesigned the Enrollment and Account Summary flows of United Mobile App and replacing Monolithic web API with microservices.

Passenger Revenue Accounting Modernization – Implemented a new financial system, SIRAX, to replace the existing RASCAL system.

Check-in Service – Enables the passenger to check-in a flight through Web, Kiosk, and Mobile applications

- Involved in story grooming and providing the story points after analyzing the requirements.
- Designed the UI Request/Response models for Mobile APP in IOS and Android.
- Designed and developed microservices in .net core and c#.
- Used DataPower to authenticate Mobile clients before accessing the other United internal services.
- Implemented the Security Code Scan suggestions like encrypting the Connection Strings and password.
- Used Kibana dashboard to query the logs logged through Kafka queues.
- Designed and developed database tables and stored procedures.
- Lead a team of IOS, Android, and .net developers.
- Coordinated with cross teams in getting the required microservices consumed by the Mobile App.
- Coordinated with the DevOps team in setting up builds in Team city.
- Code reviewed the team code changes.
- Code merging of the release branch with the master after the release.
- Code reviewed the database scripts which are part of the production release.
- Coordinated the release with the testing team, release coordinator, and developers.
- Coordinated with the offshore development team.
- Monitored AppDynamics to verify load and performance of the APIs
- Involved in design discussions and created a detailed design document for company Sales file with Architecture diagram, Flow charts for different Ticket Sale amount balancing business scenarios, pseudo-code for database stored procedures.
- Development of a .net component to mask the PII and PCI content in the sales files transferred to Lufthansa Systems as part of Data Analytics.
- Development of a prototype to evaluate Sales data transformation process's performance using Entity framework and multi-threading using Tasks.
- Development of a Windows service to import the company's own sales data (Shares SEE file) into the database.
- Development of a .net class library to transform the company sales file to IATA DISH file.
- Involved in the development of Check-in web application
- Involved in the development of enabling the Check-in application for web accessibility.
- Development of Admin Tool web application which provides an interface to delete Agent or vendors' profile, change Kiosk type, Enable/Disable mobile boarding pass at selected airports, create new users, and provide access to the Admin screens.

Environment: .Net Core 3.0 | .Net Framework 4.6 | C# | Visual Studio 2019 | TFS | GitHub | AWS | Kibana | Kafka | Data Power | SQL Server 2014 | Oracle 12c | TOAD | Visual Studio 2015 | ASP.Net | MVC4 | Ajax | JavaScript | jQuery | AngularJS

IkaSystems, MA

January 2009 – April 2013

Lead/Sr. Developer

Sales Portal – Standard portal for individual and family lines of business.

UPMC Health Plan – Developed three separate web portals for UPMC Health Plan, Pittsburgh, PA. Short Term Individual Plan (STIP) for individuals, Guaranteed Renewal Individual Plan (GRIP) for Families, and Commercial Health plans (Commercial Service) for corporate.

- Involved in the table mapping from existing production database in SQL server 2008 to Oracle 11g and developed equivalent SQL scripts to migrate the data.

- Development of the module to return the instance of external services using the Factory design pattern.
- Development of the module to connect to external web service for underwriting decisions.
- Development of the common email module to replace the email variables with the data from the database and sends it to the applicants.
- Added email triggers using Windows workflow to send different emails based on the application status.
- Development of SSRS reports for new business and renewals.
- Analyze the requirements, effort estimation, design, and delegation of work to team members.
- Designed the STIP and GRIP portals and developed the core components of the products.
- Design and development of Member flow for STIP product, enabling the individual member to enroll in UPMC Individual Plan.
- Design and development of Internal Users flow for STIP product, which enables the users like Medical Underwriters, Sales Representatives and Brokers to initiate Quote for the members, Approve and or Decline Quote based on the member medical conditions.
- Design and development of GRIP Product, enabling the family members to enroll in the UPMC Family Plan.
- Design and development of the module for GRIP, a WCF service that communicates with external service to get a Factor (integer value) to identify the member's final rates based on the medical conditions.
- Developed Master pages to have a common layout across multiple web pages based on user roles.
- Development of Benefit riders and displaying Health Plans with rates.
- Developed SQL library to decrypt PHI data.
- Developed a module scheduled to disable the logins of inactive users from the Active directory and database.
- Used CSLA Framework for Business Layer.
- Involved in fixing post-production issues and change requests.
- Developed SQL stored procedures as part of SQL Job, which runs daily to generate the Payment, 834, and Interface files.
- Preparation of the release and deployment to Testing, Staging, and Production environments.
- Coordinating with the development, Business Analyst, and QA team members.

Environment: C# | ASP.Net | Visual Studio.Net 2010 | .Net Framework 4.0 | Oracle 11g | SSRS | TFS | WCF | JavaScript | Ajax | SQL Server 2008

ADDITIONAL EXPERIENCE

Microsoft, WA
Senior Developer

Senior Developer for Various Clients

Project: PIPeR / **Client:** British Telecom, UK

Project: WebSCANA / **Client:** Redbridge Council, U.K

Project: Enterprise-Wide Information System / **Client:** Laxmi Organics, India

EDUCATION

Bachelor of Science (BS) in Electronics and Communications Engineering

Certifications:

- AWS Certified Solutions Architect – Associate
- Developing and Implementing Web Applications with Microsoft Visual C#.NET and Microsoft Visual Studio .NET