

Prashant Nigam

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Solution Architect at Cognizant • Solution Designing • Data Analysis • Data Modeling • Mobile Development
• Full Stack Development - Angular / Android / Cordova / Python / Azure • Training And Team Building

Summary

- Solution Architect with 10+ years of firsthand experience in designing and developing complex web and mobile applications.
- Currently working as Solution Architect for a UK based client:
 - Designing weather-based risk forecasting solution with weather & asset data analysis and visualization
 - Designing safety risk decision support tool to quantify the outcome of a derailment
 - Developing solution for creating segments using Linear referencing system
 - Overseeing common GIS infra across projects
 - Leading team of 10+ developers working across projects
- Knowledge of water utilities asset management
- Experience in the developing applications using agile and waterfall models
- Working with BAs and UX team for confirming screens and suggesting right solutions from requirement gathering and UX design stage
- Owning and supporting the end-to-end development and support cycle right from SOW creation to overseeing development and delivery
- Working with Sales team for demo of capabilities to clients, creating POCs to drive project wins
- Demonstrated excellent presentation and communication skills while conducting functional and technical training sessions.

Experience

Solution Architect

Cognizant

Jan 2016 – present

- Designing solutions by understanding the functional and non-functional requirements to ensure compatibility with the design intent and recommended tech stack.
- Developing python OGC standard WMS, WFS APIs for weather data visualization with Azure data explorer as data source.
- Developing web and mobile applications using Angular and Open layers and ArcGIS mapping libraries.
- Developing unique and compatible solutions by bringing together various open-source technologies by creating new or by changing libraries.
- Data analysis and database design for high volume time series weather data for continuous storage and fast retrieval optimizations.
- Migrating data providers for multiple business critical applications for a large hospitality client by mapping the dependencies across n-tiers of the applications.
- Creating custom wrapper for integration of what3words into hybrid mobile application
- Leading the development team to complete the deliverables on time with minimum defects and high code quality.
- Conducting trainings for team skill building.
- Integration of Web and mobile apps with various third-party systems like SAP, Oracle Field Services, Salesforce.
- Implementing database and code optimization for performance enhancements.
- Creating ArcGIS map plugins for integration with low code systems like Appian and OutSystems

Technical Skills

Languages: Java, JavaScript, Python, SQL, KQL

Frameworks: Angular, Cordova, Capacitor

Databases: PostgreSQL, Microsoft SQL Server, Oracle Spatial.

Mobile Technologies: Android, Cordova, Ionic

Code and Issue Management: Azure DevOps, JIRA

Cloud Technologies: Azure WebApps, Azure API Management, Azure Code Management, Azure WebJobs, Azure Functions, Azure AD, Azure Data Explorer

GIS Technologies: ArcGIS JS API, ArcGIS server, ArcGIS Android SDK, Open Layers, Geoserver, JTS Topology Suite, Leaflet, Google Maps Android SDK, Google Maps JavaScript Web API.

Certification

Azure Fundamentals (AZ-900)

Azure Solutions Architect Expert - Ongoing

Education

Bachelor of Technology: 2007 – 2011

Master of Business (IT): 2015 - 2017

Awards

Won Technology Innovation award for developing Hybrid Mobile Online / Offline application which got certified as an accelerator to be used across Cognizant.

Experience

Sr. Software Engineer

ESRI

Sept 2015 – Jan 2016

- Designing and developing Java web applications.
- Data analysis and documentation.
- Working on Android applications developed using ArcGIS android SDK.
- Requirement gathering and documentation.
- Performance optimizations.

Software Engineer

RMSI Ltd.

Oct 2012 – Aug 2015

- Planning, development and successful field rollout of 'Mobile Application to Secure Tenure' application for USAID.
- Developing and supporting Java desktop and web applications.
- Developing database archiving tool for managing historical data while keeping application usability of the data.
- Developing generic land rate calculation rule engine for Land management project.
- Developed first of kind Field Survey and data collection mobile application using ArcGIS android SDK and native mobile libraries.