

PHILIP PENN

pp@philpenn.com

GEOSPATIAL CONSULTANT, SENIOR DEVELOPER

Profile

Solution-focused, team-oriented Technical Consultant / Senior Developer with broad, deep experience in Geospatial technologies & Systems Integration, working with utility and public sector clients.

Skills

Geospatial

Design and implement intuitive, responsive applications. Model location-aware repositories.

Integration

Develop and build reliable interfaces, both spatial and non-spatial, between various middleware & systems platforms.

Architecture

Work with clients and vendors to determine size & shape for scalable, secure, performant systems.

Technical

C#, ASP.NET, Objective C

JavaScript, Silverlight, Flex

Java, C/C++, xUnit

Python, Swift, Frameworks

SQL Server, Oracle, PostgreSQL

BI, REST, TDD

ArcGIS Server/Desktop, ArcSDE

ArcFM, ArcObjects, Safe FME

TFS, Subversion, git

Experience

Pacific Gas & Electric / IBM (EDGIS Project)

Technical Consultant

2013-date

Lead Developer for ArcGIS Server / ArcFM Server project, assisting with requirements, architecture and implementation on Silverlight web app using MVVM.
Responsible for design & implementation of interfaces between the GIS and external systems (OMS, AVL, SAP).
Designed & implemented the GIS -> AutoCAD extract mechanism using FME Server.

Paleon Solutions

Senior BI / Mobile Developer

2012-date

Initiated Smart Meter Map Reporting product. Implemented Data Warehouse to aggregate Water & Electric Meter Read data, using SSIS/SSAS and SSRS for reporting.
Designed and implemented Conference Me In mobile app for iOS, a mobile app for quick dialing into conferences. Over 10k downloads and 1500 daily users - <https://github.com/ppenn/ConferenceMeIn>

Enspira Solutions (a Black & Veatch Company)

Senior Developer

2005-2013

Providing GIS consulting, application development, systems integration, technical architecture and database design.
Designed/implemented GIS-CIS interface for NSTAR ArcGIS/ArcFM 10 Upgrade project.
Authored technical architecture for Port Of Portland Enterprise GIS Implementation. Migrated existing ArcIMS applications to Javascript Dojo API / Flex API. Implemented Workflow Manager (WMX) and business rules for geodatabase in T-SQL / Python.
Designed and implemented Work Management-GIS interface (REST/MSMQ) & CAD Extract (FME) for GPC.

Atos Origin (UK)

Technical Consultant

2003-2005

Consulted for RWE Thames Water GIS Foundation project, responsible for Vendor Selection and Application Rationalization Strategy.
Team lead for the GIS toolkit on the DEFRA Genesis project, web-based editing for farmers to apply for grants.

Convergent Group

Geospatial/Middleware Developer

1997-2003

Engaged in a variety of projects for Utilities & Public Sector clients. Wrote adapters for Weblogic, configured and customized ESRI and proprietary GIS systems.

Education

Middlesex University, UK
MSc Computer Science
