

Hezron Philip Jebakumar

A highly skilled and driven GIS professional, capable of producing innovative and reliable solutions that reflect my experience and ambitions. A quick study, who can adapt and learn to tackle situations in any challenging environment.

Employment History

Oct 2015 - [ESRI India Technologies Ltd.](#), Noida, India.

Present **GIS Developer**

Developer of multiple Web GIS Applications and Android Applications as part of the ESRI India Team working with the [National Informatics Center, Government of India](#).

Education

2013-2015 [Master of Engineering, Geomatics](#) - College of Engineering, Anna University, Chennai.

First Class - CGPA 8.04

Key Subjects - Development and modelling of GIS, and Applications of GIS in Risk Assessment.

Published Thesis (June 2015)

Co-Author, "[Study on Impact of Sea Level Rise and Extreme Sea State on Coastal Inundation](#)", International Research Journal of Engineering and Technology (IRJET).

Internship (June 2014)

Completed a month long internship at the National Highway Research Station, Guindy. A study on "[Pedestrian Vulnerability Analysis using GIS](#)" was presented to the Director of the Traffic Department during the course of the internship.

2009-2013 [Bachelor of Engineering, Civil](#) - Jaya Engineering College, Anna University, Chennai.

First Class with Distinction - CGPA 8.61

Ranked 31st among 2815 Civil Engineers graduated from Anna University, Tamil Nadu.

Key Subjects: Advanced Surveying, Structural Engineering and Computer Aided Design.

Design Project: Proposed Planning and Design of a Road Transport Subway.

Experimental Project: Study on the Effect of Fire on Concrete and Use of Insulating Cover on it.

Projects

Mar 2017 - [Punjab GIS](#) (Web GIS and Android Applications)

Aug 2017 *GIS Developer/ On-Site Consultant*

This project included three separate applications:

- A Web GIS Application that acts as a GIS Road Information System, that allows the concerned authorities to monitor and edit the road data available.
- A second Web GIS Application (Sadak-Sewa Dashboard) that acts as a feedback submitting mechanism for the citizens of Punjab.
- An Android application, that acts as an extension of the Dashboard, allowing the citizens to view the Road Network in their locality, and to submit feedback regarding the road conditions, along with images to back their submission.

Nov 2016 - [E-Panchayat](#) (Web GIS Application)

Feb 2017 *GIS Developer/ On-Site Consultant*

This is a Citizen Portal that is part of a larger MIS JAVA application, which allows for visualisation of the various administrative boundaries in the Country. Authorized users can preview, edit and finalise modifications to these administrative boundaries as per Government Orders.

Apr 2016 - [NIC Maps](#) (Bharat Maps Web GIS Application)

Oct 2016 *Lead Developer/ Data Publisher*

This application utilizes the ArcGIS API for JavaScript and includes a user management module that is wrapped in an ASP.NET Framework. The application includes an editing module that crowd sources data from the users which can later be validated by the administrator before becoming available to the general public.

Oct 2015 - [School Location Mapping](#) (School GIS Version 1.0)

Mar 2016 *Lead Developer*

Built on the ArcGIS API for JavaScript, this application integrates a wide range of tools that aid policy makers and citizens to locate schools all over India and to perform spatial analyses.

Hard Skills

Software: *ArcGIS Desktop, ArcGIS Pro, ArcGIS Server, Portal for ArcGIS, ERDAS Imagine, MATLAB.*

Technologies: *ArcGIS API for JavaScript, ArcGIS Runtime SDK for Android.*

Web Servers: *IIS/Apache Web Servers.*

Database: *Microsoft SQL Server, PostgreSQL - Database handling and use in GIS.*

Dev Tools: *Web AppBuilder for ArcGIS, Android Studio, Eclipse IDE and Visual Studio.*

Languages:

- *HTML5, CSS3, JavaScript, Dojo, jQuery - for Web Development.*
- *Java - SE Dev Kit 8 for Android App Development.*
- *C#, VB.NET - Web Services for data handling in Web GIS Applications.*

Soft Skills

- Excellent problem solver, with the ability to adapt and resolve issues in crunch scenarios.
- A team player, well organised and excellent in time management.
- Embracing new technologies and constantly looking to improve skill set.
- Excellent communicator in both aural and oral English, with native fluency.

Accomplishments

- **2016** - Recieved recognition and a badge of merit from ESRI India Technologies Ltd. for 'Quality of Work' in my projects.
- **2012** - Executive Member of the organising committee for the symposium 'Formigo2k12' and Editor of the magazine.
- **2011** - Champion of the State Level Mathematical Quiz Conducted by Anna University Department of Mathematics, 'Mathrix'11'.
- **2009** - Recipient of the 'Best Actor' award for my achievements in various cultural events.
- **2009** - Organised the years activities and events as 'Head-Volunteer of programs'.
- **2008** - National Service Scheme member and participant in welfare camps.
- **2008** - As Vice-President of the Interact Club, I aided in choosing a team as part of which we won the Rolling Trophy in the "Rotary Youth Leadership Awards – RYLA"

Interests

- Reading - History, Psychology, Fiction etc.
- Touring on motorcycles and exploring.
- Following Football and Motor Sports.