

# Wasim Tamboli

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## Professional Summary

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Experienced in full-cycle software product development, with a proven track record of delivering successful projects. Exceptional communication and interpersonal skills, able to build strong relationships with stakeholders and team members. Highly adaptable and skilled in organizational building, with the ability to thrive in fast-paced and dynamic environments. Proficient in agile development methodologies, with a strong understanding of how to apply these principles effectively to deliver high-quality software products.

## Experience:

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- **Genesys International Corporation limited**

- Senior Software Engineer ( Aug 2024 - Present )**

- Genesys combines a deep understanding of emerging consumer applications in mapping technology with strong capabilities on the enterprise side, offering cutting-edge solutions in remote sensing, LiDAR, aerial surveys, photogrammetry, and ICT-based e-governance. As one of the largest LiDAR acquisition companies globally, They also excel in advanced processing capabilities.

- Major Accomplishment:**

- Worked on Full Stack of Maps consisting three main components as Map tiles, Routing engine, and Places search. All built on OpenSource Projects and Frontend in ReactJs and Backend in Nodejs Express framework.
    - Worked on building data translation scripts and pipeline to convert in-house data into structured and required format for map building.
    - Worked on setting up proxy, auth and load balancing using Apisix.

- **Spiro**

- Senior Software Engineer ( Dec 2023 - Jul 2024 )**

- Spiro is more than just an electric two-wheelers manufacturing company in Togo, Benin & Rwanda. Spiro is accelerating access to affordable, renewable energy and providing solutions for EV platform.

- Major Accomplishment:**

- Worked on Full Stack of Maps consisting three main components as Map tiles, Routing engine, and Places search. All built on OpenSource Projects and Frontend in ReactJs and Backend in Nodejs Express framework.

- **GeoSpoc an OLA company**

**Software Engineer ( Oct 2019 - Nov 2023 )**

GeoSpoc is a sister company of OLA mainly focussing on the Geospatial implementation in the various mapping and location-based solutions for mobility and EV platforms.

**Major Accomplishments:**

- Geocoding & Search Systems – Built geocoders with Node.js/Express for Indian address autocomplete and reverse geocoding, optimized Elasticsearch queries for <50ms responses, and developed data importers/indexing pipelines.
- ETL & Data Processing – Created Python-based ETL tools for ingesting diverse datasets (Places CSV, OSM, IMO AIS, Hotstar, etc.) using Pandas/Numpy, storing in Postgres, and indexing in Elasticsearch.
- APIs & Deployment – Developed and dockerized APIs using Node.js, Flask, and Django, integrated Swagger, implemented asynchronous workers with Celery, and deployed solutions on AWS EC2 and Lambda.
- Geospatial & Satellite Data – Processed vector/raster datasets (GeoJSON, Shapefiles, TIFFs) and worked on downloading, processing, and serving satellite imagery for object detection via GeoServer.
- Testing & Code Quality – Wrote unit tests with Pytest and Unittest, developed acceptance tests in Node.js, and published reusable Node.js packages

- **TellMe Digiinfotech Pvt. Ltd**

**Software Developer ( July 2018 - Oct 2019 )**

TellMe is an early stage startup with an eye to solving unique problems related to Indian languages using image recognition and pattern identification to interpret regional Indian languages. Promoted by [Indiacom Pvt. Ltd.](#)

**Major Accomplishments:**

- Python & Data Processing – Developed in-house automation scripts, web scrapers (BeautifulSoup, Selenium), and performed ETL tasks using Pandas and NumPy.
- Web Development (Django & PWA) – Built backend systems for statistical data processing and Progressive Web Applications to provide add-on services for premium customers.
- Frontend & Visualization – Designed responsive dashboards using HTML, CSS, Bootstrap, JavaScript, jQuery, AJAX, and visualized data with ChartJS and D3JS.
- Mobile & Cloud Integration – Contributed to Android applications for business data collection, integrated Firebase for image/text storage, and implemented scripts for on-demand data handling.

- **Selling Simplified Pvt Ltd**

**Associate Data Analyst** ( March 2017 - April 2018 )

An global on-demand Lead Generating Company aiming to overcome multiple hurdles and challenges related to the B2B Demand and Data-driven Scheme.

**Major Accomplishments:**

- Function Requirement Understanding and Communication with the user coordinator.
- Developed the in-house Scraping module for various websites in python.
- Resolving technical issues faced by other team members and generating reports.

- **GabZil Tech Pvt. Ltd**

**Software Developer** ( June 2016 - Nov 2016 )

A Product based startup primarily focused on developing Customized android based applications.

**Major Accomplishments:**

- Worked on the company's prime product to add new features.
- Worked On C#, MVC with HTML5 and CSS3, SQL. The build has been
  - created using Visual Studio. Taken responsibility once learned C# and ASP.NET MVC.
- Developed a basic Online payment gateway on android platform
- Manual Testing & Bug Fixing

## Projects Undertaken

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- **Geocoder** ( Used in Ola application and on Ola EV )

- A search engine for places worldwide, powered by open data. It turns addresses and place names into geographic coordinates, and turns geographic coordinates into places and addresses.
- Developed dockerized microservices using node js and API service using express framework.
- Elasticsearch is used for datastore for its unparalleled full text search functionality, scalability, and sufficiently robust geospatial support.
- Deployed using github actions on AWS-EC2 and checked schematics and code coverage.

- Created Acceptance tests using Node.js command line tool for testing a pan-India build for testing autocomplete queries.
  - Created Compare tool for comparing results from multiple environment builds.
  - Reviewed and maintained error free code for better readability.
- **groundMapper ( client : thinkWhere )**
    - Develop dockerized backend using flask framework and PostgreSQL as database with postgis as extension using SQLAlchemy for database operations.
    - Deployed using github actions on AWS-EC2 and checked schematics and code coverage on shippable.
    - User management for uploaded data, layers manipulation and processing of various formats of geographic data and generating Graphs and Statistics.
    - Developed complex queries to support data extracts and data manipulations.
    - Used geoserver to store and perform operations using gdal library on created user map layers.
    - Worked on creating test cases using pytest and unittest.
    - Reviewed and maintained error free code for better readability.
  - **LineOfSight-LOS ( client : Tata Communications Ltd. )**
    - Developed dockerized backend using flask framework and PostgreSQL as database with Postgis as extension using SQLAlchemy for database operations.
    - Deployed on AWS-EC2 using AWS CloudFormation
    - Worked on complex calculation to find line of sight between two geographic coordinates from digital elevation model (DEM) using gdal library.
    - Worked on loading attribute data for the map layers from excel using pandas and storing on database.
    - Worked on creating test cases using pytest and unittest.

#### Education:

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- BE(Computer Science) - Computer Science Department, Pune University (Year-2016)
- Dip(Computer Science) – JSPM's(2010-2013)

#### Technical Skills:

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- Python, Django, flask, FastAPI
- Nodejs, Javascript, expressjs, JQuery, JSON, AJAX
- HTML, CSS, Twitter Bootstrap

- Linux, Git, bitbucket, jenkins, docker
- DigitalOcean, AWS, EC2, lambda, CloudFormation
- Elasticsearch, Firebase, PostgreSQL, GraphQL

### Personal Details:

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