

Namita Bhatawdekar

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🌐 bnamita.github.io/Portfolio/

Web Developer & Data Visualisation Consultant

Summary

- Web Developer with 10+ years of experience in leading Front-end teams and developing UI applications
- Varied experience across service based and product based companies as well as in academia and startup environment
- Worked with Big Data analytics and presentation to develop Business Intelligence reports. Created Information Visualisations.
- Created Geographic Visualisations for social development for *Paani Foundation*, *Open Water Data Portal* and *Maharashtra Village Census Mapping*
- Worked on Requirement Analysis, Design and Development of applications across various domains like Urban Mobility, Digital Marketing, Finance and Price Optimisation, CRM

Skills

Programming Languages: Javascript, JQuery, ReactJS, Node.js, D3.js, Backbone.js, Knockout.js, Leaflet.js, ExtJS, HTML5, CSS3, AJAX, SQL, Content Management System (Drupal)

Cloud: Google Cloud Platform

Environments: Mac OS, Windows, Atom, Eclipse, PyCharm, Sublime Text

Tools: Confluence, JIRA, SourceTree, Bitbucket, Github

Development Methodologies: Agile Development (Scrum based)

Work experience

Data Visualisation Consultant

2016-04 - Present

Datameet, Pune

- Built a web application for Geospatial data visualisations to view Paani Foundation's Impact Analysis using Node.js, React.js, Google Earth Engine, Google Datastore, and, Google Maps JS API. This work will be made accessible to public later this year.
- Created an Open Water Data portal for India. Built an end-to-end web-based interactive data visualisation app using ReactJS, Python, Google Earth Engine Python and Javascript APIs, and Google App Engine for hosting.

Open Water Data Portal: <https://water-data-web-app.appspot.com/>

Open Water Data Paper: <https://datameet-pune.github.io/open-water-data/precipitation/2017/12/31/OWD-Paper/>

Google selected and published the project as a "Geo for Good" case study on their website: <https://www.google.com/earth/outreach/success-stories/open-water-data/>

- Built a Geospatial Data Visualisation to view census data for Maharashtra (a state in India). Variables are viewed in district-wise choropleths.
 - **Census Visualisation:** https://bnamita.github.io/Village_Mapping_v2/

Freelance Technical Writer

2017-03 - 2018-06

Technical Writer for Upwork clients

- Authored technical tutorials for D3.js Data visualisation library, and TypeScript.js Javascript library for beginner and advanced levels

Senior Software Engineer - II

2015-10 - 2017-07

Mediaocean Asia Pvt. Ltd.

- Worked as a Senior Engineer to develop Digital media management platform for agencies.
- Led a team of 5-10 engineers to build the front-end application.
- Migrated legacy application to SPA application using newer UI framework

Data Visualisation Engineer

2015-01 - 2015-08

Singapore-MIT Alliance for Research & Technology, Singapore

- Worked with Prof. Moshe Ben-Akiva of Massachusetts Institute of Technology (MIT) on Future Urban Mobility Research to develop innovative mobility solutions for Singapore.
- Collaborated with MIT Professors and Post-docs on research projects like Integrated Simulation Platform: SimMobility and Future Mobility Sensing. Extracted simulation results, analyzed and visualized the data in collaboration with MIT SENSEable lab team to see the effects of urban transport policies for the betterment of Singapore.
- Created Geospatial visualisations using d3.js, cesium, and leaflet.js to view policy effects in concentrated parts of Singapore like the Central Business District.
- Developed Prof. Moshe's website for Intelligent Transport Systems.

Senior Member - Technical

2011-08 - 2014-06

ADP Inc, Pune

- Developed BI reports for Original Equipment Manufacturers (OEMs) and automotive dealerships using latest UI technologies and libraries like Three.js, Backbone.js and D3.
- Collaborated with product owners, User Experience Designers and engineering teams for design and implementation of UI components and reports.
- Developed a Data Visualisation using Google Maps, KML and Google Charts to show real-time and historical trends for region-wise vehicle views, available inventory and car sales.
- Initiated and led a new team to brainstorm and implement innovative data visualisation ideas.
- Mentored junior engineers.

Module Lead

2008-07 - 2011-07

Persistent Systems Ltd, Pune

Designed and developed UI applications for clients from diverse industries, including finance, price optimisation, CRM and SCM. Selected projects include...

Vistaar

- Successfully led a team of 5 to design and implement an administrative UI application for a pricing optimization firm. Built a web app with object oriented javascript framework using ExtJS, HTML and CSS

Microsoft Java SDK

- Developed a Java SDK to facilitate communication between Java programs and the Windows Azure platform for Cloud Computing using RESTful APIs

Intuit Money Manager

- Developed UI for a financial application to help customers keep track of their finances.

Education

Bachelor of Engineering, Computer

2004 - 2008

Cummins College of Engineering, Pune University, India

First class with distinction, 71.13%

Awards & Certificates

- *Mediaocean Spot award* for Outstanding Performance in Mediaocean Asia Pvt. Ltd. in June, 2016
- Successfully completed Google's *Making Sense of Data* course in April, 2014
- *Hall of Fame* award for Outstanding Performance in ADP Dealer Services in August 2013
- *You Made a Difference* award for Outstanding Performance in Persistent Systems Ltd. in January 2011.
- Completed the Persistent Certification for Core Java 5.0 in August 2009.
- Received Dhirubhai Ambani Merit Scholarship for academics in 2001.

Conferences & Talks

- Invited speaker at the Google Earth Engine User Summit 2018 in Dublin, Ireland
- Panelist on 'Data technology revolution and open data' in Open Data Camp Delhi 2017
- Invited speaker at Datameet, Pune Public Meetup 2016