

Trshant Bhat

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Technical skills

Languages	JavaScript, Python, PHP , C, CSS	Cloud Platform	Azure, AWS
Database	MySQL, MongoDB, CouchDB, Postgres	Dev Platform	Windows, Linux
Virtualisation	Docker, Kubernetes	Agile Process framework	JIRA, Trello, Scrum

Experience

2019 Jul **System Engineer**, *Anzyz Technologies*, Grimstad, Norway.

- Anzyz is a SAAS company aiming to provide a machine learning service converting text to structured data.

- Present
- o Deploy to Azure Kubernetes Service.
 - o Maintain Update and Document the API code.
 - o Update the python code to 3.0 (currently at 2.7).
 - o Document the deployment processes and prepare a checklist.

2015 Mar **Senior Software Engineer - Contract**, *Zinc Digital*, Northampton, UK.

- Zinc is a SAAS company. Developed product modules to client specification. Some of my more interesting tasks were to

- 2018 Sept
- o Create a micro service from scratch to route messages (email, push notifications, in-mail, toaster notifications and other alerting systems) generated by our system to different users, classified by roles and access levels. - This module is currently offered as a product (Sygnal - <https://www.zinc.systems/products/sygnal/>).
 - o Write and maintain scripts to integrate huge volumes of data from various feeds into the correct database table/file system.
 - o Write and maintain scripts for data visualisation for effective interpretation (Graphs, charts, tables in HTML/PDF) for large and varied data sets using JavaScript.
 - o Maintain flexibility of data integration and presentation over multiple iterations, across intrinsically different data (in terms of scope, type and source).
 - o Create automated feed processors for processing social media feeds.
 - o Create of a crime analysis tool using statistical trend mapping. This was build over Elastic Search with the front end (in JavaScript) being a mix of React (for routing and code centralisation), underscore (for data manipulations) and jQuery (for expressive graphs)

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- 2014 Mar **System Engineer - Short-term contract**, *ESD*, Mangalore, India.
- ESD is a media listing company. End to end process automation.
- 2014 Aug
- o Integrated a year's worth of data from excel and XML formats into a MySQL database.
 - o Scraped data from the internet using the OMDb API and insert it into the correct column of an Excel sheet using Python/JavaScript. (Previously manual process)
 - o Scraping data from the relevant site using JavaScript and create an Excel sheet with it. (Previously manual process)
 - o Extraction of data from the Database built and insertion into correct column of an Excel sheet using Python. (Previously manual process)
- 2012 Aug **Web Developer**, *Manipal Institute of technology*, Manipal, India.
- Created a Placement portal from scratch which is being used by 1500 students, faculty and administrators every year.
- 2014 Mar
- 2007–2010 **Freelance Web Programmer**, Mangalore, India.
- Programming and maintenance of web projects.
- o Self Learnt PHP, Perl, JavaScript and CSS using online resources.
 - o Programmed in plain PHP or using frameworks.
 - o Enhanced or corrected other's code.
- During this period, i programmed.
- o Sites using Vanilla PHP.
 - o Became an expert in CodeIgniter Framework.
 - o Programmed Wordpress Sites.
- 2006–2007 **Programmer**, *Pai Softwares*, Mangalore, India.
- Worked on visual.NET

Education

- 2016–2016 **Online Course**, *Coursera*, .
- Machine Learning with Adrew Ng
- 2010–2012 **MTech.**, *Manipal Institute of Technology*, Manipal, India, .
- Masters in Network Engineering
- 2001–2006 **BE.**, *Vishwesharayya Technological University*, Belgaum, India, .
- Bachelor in Electronics & Communication

Masters thesis

- Title *Improved Service Quality of Cell Users*
- Guide Dr. Sanjay Singh, Manipal Institute of Technology, Manipal
- Description Formulated a scheduling algorithm using variance in transmitted data as selecting criterion for users in a cell.

Interests

- | | | | |
|----------|-----------------------------|----------|--------------------------------|
| Database | Relational Database Design, | Software | Architecture , Design Patterns |
| Tech | NoSQL | | |
| Embedded | Arduino, ESP8266 | Home | Automation, Mobility |
| Health | Walking, Yoga | Web | UIX, API Design |

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Architecture Software architecture,
Optimised Data Manipulation

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