

# 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, *nix
Virtualisation	Docker, Kubernetes	Agile Process framework	Kanban, Scrum
Web Framework	Flask, Web2py, Express		

## Experience

2019 Nov **Software Architect**, *Anzyz Technologies*, Grimstad, Norway.

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

- Present
- Moved from UI first to API first software architecture.
  - Made the software compatible with multi cpu architecture.
  - Improved the UIX to extract more value in less time from the company's algorithm.
  - Separated the deployment of code from the implementation so that implementation is faster by 60% to 80% ( depending on initial dataset ) and deployment follows the CI/CD pattern ( pipelines ) .
  - Implemented, documented and improved the processes for quality management, ease of issue management and overall customer satisfaction.

This complimented the duties that I was responsible for as the software engineer.

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

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- Present
- Moved almost all the functionality from python2 to python3.
  - Re-implemented some of the code to ensure faster and reliable ( and time bound ) replies.
  - Worked with the CIO to ensure the performance of core business IP scaling with multiple CPU.
  - Update the python code to 3.0 ( currently at 2.7 ).
  - Maintain Update and Document the API code.
  - Created a new front-end system which showcased the value proposition of the AI. This improved turnaround time while creating newer term lists used further on in the system.

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- 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
- 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 (Signal - <https://www.zinc.systems/products/signal/> ).
  - Write and maintain scripts to integrate huge volumes of data from various feeds into the correct database table/file system.
  - Write and maintain scripts for data visualisation for effective interpretation (Graphs, charts, tables in HTML/PDF) for large and varied data sets using JavaScript.
  - Maintain flexibility of data integration and presentation over multiple iterations, across intrinsically different data ( in terms of scope, type and source).
  - Create automated feed processors for processing social media feeds.
  - 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)
- 2014 Mar **System Engineer - Short-term contract**, *ESD*, Mangalore, India.
- ESD is a media listing company. End to end process automation.
- 2014 Aug
- Integrated a year's worth of data from excel and XML formats into a MySQL database.
  - 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)
  - Scraping data from the relevant site using JavaScript and create an Excel sheet with it. (Previously manual process)
  - 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.
- Self Learnt PHP, Perl, JavaScript and CSS using online resources.
  - Programmed in plain PHP or using frameworks.
  - Enhanced or corrected other's code.
- During this period, i programmed.
- Sites using Vanilla PHP.
  - Became an expert in CodeIgniter Framework.
  - Programmed Wordpress Sites.
- 2006–2007 **Programmer**, *Pai Softwares*, Mangalore, India.
- Worked on visual.NET

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## 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

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## 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.

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## Interests

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|--------------|---|----------|--------------------------------|
| Database     | Relational Database Design,                           | Software | Architecture , Design Patterns |
| Tech         | NoSQL   |          |                                |
| Embedded     | Arduino, ESP8266                                      | Home     | Automation, Mobility           |
| Health       | Walking, Yoga   | Web      | UIX, API Design                |
| Architecture | Software architecture,<br>Optimised Data Manipulation |          |                                |

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