

# PRASHANT KUMAR TRIPATHI

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## OBJECTIVE

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To dedicate my skills and time to organization honestly and faithfully, to help and become part of non stop development. To always remaining far-sighting person to contribute in organization's growth. Always working hardly and smartly to deliver projects on time.

## EDUCATION

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2013-2017	<b>Asia Pacific Institute of Information Technology (Staffordshire University)</b> , Panipat B. Eng. (Hons) in Software Engineering, 50%
2013	<b>A V K M G I C Katghari S Singh</b> , Bahraich 12th Standard, U.P Board, 67.8%
2010	<b>V B D M GANDHI I C</b> , Bahraich 10th Standard, U.P Board, 66%

## FULL TIME EXPERIENCE

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01/04/2018--Present **Software Developer, Ampcome Technologies (OPC) Pvt Ltd**, HSR Layout, Bangalore

### 1. Web-Scraping bot:

- Developed NodeJS based web-scraping bot using NightmareJS. The bot can collect data from Amazon, Flipkart, Snapdeal, Paytm Mall, Tatacliq (Ecommerce Web Applications) without being detected. The code can change its identity using proxy servers, HTTP headers. And deliver the data in CSV files.

### 2. Energy Saving IOT Product (<http://energy.x1platform.com>):

- Have lead and done R&D on IOT project and developed "Energy Saving IOT Product".
- Written modbus code on Raspberry-Pi to collect data from energy-meters.
- Developed architecture for IOT project using Amazon AWS IOT, AWS Lambda, RabbitMQ, WSO2 Stream Processor, TimescaleDB.
- Implemented various protocols like MQTT, AMQP for IOT project to let devices work on "PUB-SUB" method.
- Got hands-on on various Time Series/ SQL/ NoSQL Databases like InfluxDB, TimescaleDB, HarperDB, Redis.
- Used RabbitMQ on multiple places to prevent data-loss.
- Placed WSO2 Stream Processor in between the architecture to implement alerting system which in turn can be configured(parameters can be set) from Web/ Mobile app using REST API.
- Implemented ETL pipelines using WSO2 Stream Processor to detect common data anomalies.
- Planted PGBackRest on database server to configure daily data backup in case of database-failure.
- Installed PgBouncer (for connection pooling) before TimeScaleDB and configured to take thousands of connection instantly and each connection object can further be utilized no. of times.
- Done analytics using NumPy, Pandas and Matplotlib while doing R&D to check quality of data.
- Worked closely with web & mobile app development team to make IOT project deliverable.

### 3. ERP Product for NECMS (<http://204.48.27.57>)

- Worked on Python frappe framework and deployed an ERP application.

#### 4. Gokhana

- Shifted GoKhana API and Database to much sophisticated servers by deploying MongoDB replica-set and few API servers. Deployed Elasticsearch to monitor the situation of servers.

#### INTERNSHIPS

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09/2017-12/2017 **Intern, Datalicious Pty Ltd**, HSR Layout, Bangalore

- The Internship was focused majorly on Web Analytics & Data Engineering.
- Did Google Analytics certification and learnt Python after joining.
- Learnt how to clean data using python libraries like NumPy, Pandas and visualizing data using matplotlib.
- Worked on pipelining Big Query's data to Google Analytics and generating meaningful graphs, charts etc.
- Worked on visualizing stored data using Google Data Studio.

16/01/2018-31/03/2018 **Web Development Intern, Ampcome Technologies (OPC) Pvt Ltd**, HSR Layout, Bangalore

- Learnt Node.JS and React Native after joining.
- Developed cross platform (IOS and Android), native B2B mobile application using React Native.

#### COURSES – WHILE PROFESSIONAL CAREER

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**Datacamp (ongoing):**

- Data Scientist with Python (<https://www.datacamp.com/profile/prashantkt10>)

**Datacamp (ongoing):**

- Python courses (<https://app.dataquest.io/profile/prashantkt10>)

**Intellipaat (ongoing):**

- Hadoop Ecosystem

#### SUMMER TRAININGS - IN ACADEMICS

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**Naresh I Technologies**, Ameerpet, Hyderabad

- C Language
- Oracle Database
- Advance Java (JDBC, Servlet, JSP)

**Durga Software Solutions**, Ameerpet, Hyderabad

- SCJP/ OCJP
- Android

#### PROFESSIONAL SKILLS

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**Operating Systems:** Windows, Linux (Ubuntu, Rasbian OS).

**Languages/ Libraries/ Frameworks:** Java, JavaScript, Python, PHP, HTML, CSS, Bootstrap, SQL, Node.JS, NumPy, Pandas, Matplotlib, React Native.

**Databases:** MySQL, TimescaleDB (PostgreSQL), MongoDB, InfluxDB, Redis.

**Big Data Skills:** RabbitMQ, WSO2 Stream Processor.

**Cloud Platforms:** Google Cloud, Amazon AWS

**Engineering Skills:** Web & Mobile Application Development, Networking, Ethical Hacking.

#### OTHER ACTIVITIES

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- Writing technical blogs.
- Always learning new techs.
- Reading books, blogs.