

# Santanu Sarker

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## ⚙️ TECHNICAL SUMMARY

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- Experienced in full-stack web development, cloud infrastructure, and computer vision
- Python (Django), Javascript (React, Node.js), C#, Java, SQL, MongoDB, AWS, Linux

## 🧰 EXPERIENCE

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### Top Hat

Toronto, ON

Software Developer - Platform

Jan – May '18

- Utilized TDD to build and ship several features of a JWT based authentication service in Django improving security and scalability by transitioning from monolith to microservices architecture
- Used AWS CloudFormation and S3 to create reliable and fault-tolerant Public Key Infrastructure
- Improved Jenkins CI/CD pipelines by reducing build times and increasing developer productivity

### IBM

Toronto, ON

Software Developer - Computer Vision

May – Sept '17

- Implemented a PoC utilizing deep neural networks and OpenCV to detect objects in images
- Improved a Python OCR service for detecting signatures in PDFs increasing F-score by 25%

### SAP

Toronto, ON

Software Developer - Internet of Things

Sept – Dec '16

- Built real-time visualization tools for viewing sensor data using D3.js, and Jetty Web Sockets
- Performed code reviews, identified improvements and assisted team in writing clean code

### Fleet Complete

Toronto, ON

Software Developer - Internal Tools

Jan – Apr '16

- Created a responsive web application using React, in accordance to Material Design guidelines used by sales team to better serve customers boosting productivity and increasing sales
- Implemented several RESTful API services in C# ASP.NET interfacing with SQL database

## 🔧 PROJECTS

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### 🌐 Moodify

- A web application that suggests a Spotify playlist based on a user's mood using facial recognition

### 🌐 Info Sessions

- A web application that uses the UWaterloo API to display daily information sessions on campus

### 🌐 Waterloo Works Plus

- Contributed to a open-source project by creating RESTful APIs in Node.js that use puppeteer to log in on behalf of users and scrape WaterlooWorks for jobs, applications, and interviews

## 📖 EDUCATION

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### University of Waterloo

Sept '14 – Apr '19 (*expected*)

Honours Bachelor of Applied Science in Computer Engineering

## 💡 HOBBIES & INTERESTS

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Blockchain, Cryptocurrencies, Gaming, Photography, Weightlifting