# AKSHIT GUPTA

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## 💼 EXPERIENCE

### Software Engineer | Bank of America, Plano TX                July 2020 – Present

- Designed a new RTGS (Real time Gross Settlement) payment flow for executing RTGS transactions in Global Payment Orchestrator (BofA's Commercial Payment Engine) to support Indian 24x7x365 electronic fund transfer with no cap on transfer amount.

- Designed, developed, and tested Canada Lynx high value payment system which processes large value, time-critical payments with real-time settlement finality and uses the latest Swift ISO 20022 messaging standards.

- Designed multiple services to update properties in production and LLE databases dynamically from the application UI as the lead GenX (Production Support tool) Developer on my team.

- Led the development effort of SMS Monitoring Dashboard to provide control switches and analytics for all authentication messages sent through our vendors to authenticate approximately 66 million clients.

- Active board member of Java Technology Focus Group which organizes workshops, activities, games, tech blogs, tech video bytes, and expert talks to actively educate our employees about new programming languages, principles, and the latest technologies.

### Software Development Intern | IHS Markit, Raleigh NC                June – August 2019

- Primarily worked on enhancing the ownership feature of our Investor relations solution software – BD Corporate that aggregates all publicly available ownership and surveillance data, both at institution and fund level.

- Programmed a brand-new analytics microservice to replace part of our monolithic architecture using C# and .Net Core to utilize a much faster and efficient data layer microservice. Added front features using Angular and NgRx.

- Understood the overall business model of the company by scheduling meetings with experts from Sales, Marketing, Machine Learning, Database, UI-UX, Corporate Analytics, Fixed Income, IPO services.

## ⋯ PROJECTS

### Twitter Effect – Brick Hack 4 at Rochester Institute of Technology                Feb 2018

- Collaborated with my team to interact with Twitter using just our voice in a natural way.

- Used IBM Watson to analyze tweets given from the Twitter API, sorted, filtered and parsed throughout to find specific keywords and matched key user inputs and bridged it all together with Google's Dialogflow API to use with Google Assistant.

### Shuttle Finder - UB Parking and Transportation                Sept 2019

- Collaborated with my team to develop a cross platform application for students living on-campus to find out when the next shuttle is arriving with just a click using React Native and expo cli.

## 🎓 EDUCATION

### BS Computer Science | University at Buffalo | GPA - 3.3                Graduation June 2020

- Relevant Coursework - Data Structures, Algorithms, Cybersecurity, Programming Languages, and Computer Vision-Deep Learning. | Minor in Mathematics

## 🛠 SKILLS

- **Programming Languages**: C++, Java, JavaScript, C#, F#, Python, OCaml, HTML/CSS, TypeScript, and Bash.

- **Frameworks**- Angular, Docker, Entity Framework, .NET, React, NumPy, Tensorflow, Git, TFS, Spring, Selenium, and Agile.

## ⋯ *Interests - Hiking, Travelling, Music, Tennis, Football, Skiing, Mathematics, and Improv.*