

Nicholas Mangracina

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TECHNICAL SKILLS

- **Languages:** Java, Typescript, Javascript, Scala, HTML/CSS, C, C++, Python, SQL
- **Frameworks:** Spring Boot, React.js, Angular 9 (w/ Ionic 4, PrimeNg), Node.js, TypeORM
- **Tools:** Git, Eclipse, Chrome dev tools, VS code, Jenkins, MySQL, Kafka, AWS, Kubernetes, Docker, JIRA

PROFESSIONAL EXPERIENCE

📌 Full-stack Software engineer – E*TRADE by Morgan Stanley *Sept, 2021 – July 2023*

❖ Routex core brokerage, EMX (E*TRADE Management Experience), SURF, FIX

- Worked with Agile Scrum team using React.js and Spring Boot to extend trading capabilities and build out internal monitoring tools. Gained experience with the trading technology stack
- Delivered updates to fractional trading capabilities bringing Etrade in line with modern brokerages
- Developed and enhanced tools for order room to execute trades for large clients with EMX, adhering to FINRA with CAT system validation
- Identified inefficiencies in backend DAO, reworked to lower runtime of JDBC calls
- Assisted in implementation of starvation logic to route orders to exchanges w/ customizable rules
- Part of team migrating legacy Etrade nodes and accounts to MS with multiple conversion waves

📌 Software Developer, senior role – Nationwide - TCS client *March, 2021 – Sept 2021*

- Developed and enhanced features of web portal using Angular 9 and Scala Spark framework
- Created services to consume restful api with spring boot
- Help Jr team members troubleshoot API calls and resolve front-end bugs with browser dev tools, help explain Angular concepts and enforce proper version control practices

📌 Front-end Software Developer – PNC - TCS client *May, 2020 – March 2021*

❖ PNC Virtual Wallet, Account Opening Experience (AOX)

- Utilized MEAN stack in development, Angular 9 with MongoDB noSQL database
- Continuous updating of webpages based off of wireframes and customer feedback
- Added new functionality such as role-based actions/restrictions, automation of routine tasks

📌 Full Stack Software Developer – PwC - TCS client *August, 2019 – April, 2020*

- Used Angular 6 to migrate DMS (Data Maintenance System) off older Lotus Notes desktop client
- Updated validation for new account openings, followed wireframes for developing new webpages

📌 Full Stack Software Developer – Tata Consultancy Services (TCS) *July, 2018 – Sept, 2021*

Worked on 2 TCS internal projects in the Business Solutions Unit using Angular to develop client-facing web portals

❖ UHCMS (Unified Hybrid Cloud Management System)

- Developed web portal to provide an all-in-one solution for provisioning usage of VMs and various other billed AWS/Azure microservices
- Helped with design and implementation of backend entities and MVC

❖ TAAP (Technical Architecture Assessment Platform)

- Developed web portal for TCS customer reps to communicate back and forth with clients on full-scope project requirements and technical specifications
- Designed and implemented project entities, which TCS customer reps create and submit to clients
- Fetched API data and implemented logic for filtering and displaying data in dynamic tables
- Designed and develop UI with Ionic 4, backend with Spring Boot and postgresQL

EDUCATION AND EXTRAS

• B.S in Computer Science from Rutgers University - New Brunswick *2014 – 2018*

- **Developed Android App** with a friend to send alerts for crypto and stocks based on user's parameters for volume and price. Built with Kotlin, SQLite for database github.com/jimdc/TradeTracker
- **Developed and published chrome extension to assist with multi-tabling online poker** - see full CV
- Played snare drum for Rutgers Marching Band and played drumset for Rutgers basketball games.
- 18 years drumset experience, gave lessons for beginners. Leadership position with highschool drumline

For full CV and detailed list of projects see my webpage at <https://nick433.github.io/>