

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, 16 (Ionic, 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 – Wells Fargo** *March, 2024*
 - ❖ **ECAR and 1CASM platforms**
 - Worked on migration efforts for ECAR debt collections system using Java Spring and Angular 16
- 📌 **Full Stack Software engineer – E*TRADE by Morgan Stanley** *Sept, 2021 – Sept 2023*
 - ❖ **Routex core brokerage, EMX (E*TRADE Management Experience), SURF**
 - Worked with Agile Scrum team using React.js and Spring Boot to extend trading capabilities such as fractional trading, and on front end built out internal monitoring tools
 - Used modern CI/CD practices and code testing/monitoring tools along with AWS: EKS(previously used ECS) with RDS and S3 for scalability and AWS Lambda for efficient deployment.
 - Utilized Apache Kafka for asynchronous communication of live trading data between microservices
 - Developed and enhanced tools for order room to execute trades for large clients with EMX
 - Identified inefficiencies in backend DAO, reworked to lower runtime of JDBC calls
 - Assisted in implementation of starvation logic to route orders to exchanges by custom rules
- 📌 **Full Stack Software Developer – Tata Consultancy Services (TCS)** *July, 2018 – Sept, 2021*
 - ❖ **TCS internal - 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
 - ❖ **TCS internal - 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 postgresSQL
 - ❖ **PwC (client project) — 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
 - ❖ **PNC (client project) - Virtual Wallet, Account Opening — May, 2020 – March 2021**
 - 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
 - ❖ **Nationwide (client project) - Software developer, senior role — 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

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/>