

Nicholas Mangracina

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TECHNICAL SKILLS

- **Languages:** Java, Typescript, Javascript, HTML/CSS, C, C++, Python, SQL
- **Frameworks:** Spring Boot, React.js, Angular 9, 16, Node.js, Selenium, Playwright
- **Tools:** Git, Eclipse, Chrome dev tools, VS code, Kafka, AWS, Kubernetes, Docker, JIRA

PROFESSIONAL EXPERIENCE

📌 Full Stack Software engineer – Wells Fargo February, 2024

- ❖ **ECaR and POPs**
 - Work on migration efforts for ECAR system using Java Spring and Angular 16
 - Identified inefficiencies in backend DAO for POPs, reworked to lower runtime of JDBC calls
 - Created services to consume restful API with Spring Boot

📌 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 client trading capabilities while also building out internal monitoring tools
 - Delivered new functionality like fractional trading bringing Etrade in line with modern brokers
 - Followed modern CI/CD using Sonarqube, Jenkins, AWS, with Terraform for configuration files
 - AWS: EKS, RDS, S3 for scalability and Lambda for efficient deployment.
 - Utilized 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

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

Worked on 2 TCS internal projects in the Business Solutions Unit followed by 3 external client assignments

- ❖ **TCS internal - UHCMS (Unified Hybrid Cloud Management System)**
 - Developed web portal to provide an all-in-one solution for provisioning usage of VMs and AWS
 - Helped with design and implementation of backend entities and MVC
- ❖ **TCS internal - TAAP (Technical Architecture Assessment Platform)**
 - Developed web portal for TCS customers to communicate with clients over project requirements
 - 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
- ❖ **PwC (client project) — October, 2019 – January, 2021**
 - Migrated DMS (Data Maintenance System) from Lotus Notes desktop client to modern webapp
 - Utilized MEAN stack in development - Angular 9, Node.js, with MongoDB noSQL database
 - Continuous updating of webpages based off of wireframes and customer feedback
 - Updated validation for new account openings, followed wireframes for developing new webpages
- ❖ **Nationwide (client project) - Software developer, senior role — March – Sept 2021**
 - Developed and enhanced customer facing account creation portal using Angular 9
 - Added new functionality such as role-based actions/restrictions, automation of routine tasks
 - Utilized Jenkins and Kubernetes for CI/CD pipeline to deploy services and apps with AWS
 - 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/>