

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

- Worked on migration efforts for ECAR system using Java Spring and Angular 16
- Created services to consume restful API with Spring Boot
- Utilized Playwright with Cucumber and Gherkin syntax for automation testing
- Identified inefficiencies in backend DAO for ECAR, reworked to lower runtime of JDBC calls

📌 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

📌 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/>