

# NICHOLAS MANGRACINA

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## TECHNICAL SKILLS

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<b>Languages</b>	Java, Typescript, Javascript, HTML/CSS, C, C++, Python, SQL
<b>Frameworks</b>	Spring Boot, React.js, Angular 9, 16, Kafka, Node.js, Express.js
<b>Tools</b>	Git, Eclipse, Chrome dev tools, AWS, Kubernetes, Docker, Selenium, Playwright

## PROFESSIONAL EXPERIENCE

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### **Wells Fargo** *Software Engineer*

Feb 2024 – current

- Worked on migration efforts for ECAR system using Java Spring and Angular 16
- Wrote a Mock REST API with Express/Node.js to allow the frontend to be developed faster and independently of any updates from the legacy backend system
- Utilized Playwright with Cucumber and Gherkin syntax for automation testing
- Used modern CI/CD tools (Jenkins, SonarCloud, SonarQube, AWS) with Terraform for config files

### **Morgan Stanley** *Software Engineer*

Sept 2021 – Sept 2023

- 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 shares and rotational routing, allowing E\*TRADE to be competitive with newer modern brokers
- Identified inefficiencies in backend DAO with SURF system, reworked to lower runtime of JDBC calls by 50%
- Utilized Kafka for asynchronous communication of live trading data between microservices

### **Tata Consultancy Services (TCS)** *Software Engineer*

Jul 2018 – Sept 2021

#### **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 developed UI with Ionic 4, backend with Spring Boot and PostgreSQL

#### **Nationwide (client project)** *Senior role*

- 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 webapp with AWS
- Helped Jr team members troubleshoot API calls and resolve front-end bugs with browser dev tools, explained Angular concepts and enforced proper version control practices

#### **PwC (client project)**

- 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

## EDUCATION AND EXTRAS

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### **Rutgers University, New Brunswick NJ (B.S.)**

2014 – 2018

Majored in Computer Science

**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](https://github.com/jimdc/TradeTracker))

**Developed and published chrome extension** to assist with multi-tabling online poker - see full CV

*For a detailed list of personal and college projects see my webpage at [nick433.github.io](https://nick433.github.io)*