

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, Kafka, Node.js, Express.js
Tools	Git, Eclipse, Chrome dev tools, AWS, Kubernetes, Docker, Selenium, Playwright

PROFESSIONAL EXPERIENCE

Wells Fargo *Software Engineer*

Feb 2024 – current

- 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
- 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 ETRADE 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 role-based actions/restrictions using OAuth for authentication and authorization
- 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

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)

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