

TINGYU CHEN

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EDUCATION

Rutgers, The State University of New Jersey

Sept 2013 - May 2015

M.S, Computer Engineering, GPA: 3.7

Nanjing Normal University; Nanjing, China

Sept 2009 - Jun 2013

B.S, Electrical and Computer Engineering 3.5

SKILLS

Programming Language: Java, Groovy, TypeScript, Python, SQL, Scala, Perl, HTML, CSS, JavaScript, C

Tools and Frameworks: Angular, Git, Jenkins, Spring, Sybase, Cassandra, InfluxDB, Docker, Kubernetes, Ignite

EXPERIENCE

BlackRock; New York, NY

Aug 2015 – Present

Software Engineer (Associate / Senior Level)

Jan 2018 – Present

Project: Continuous Integration and Continuous Delivery (CICD)

- Developing and supporting internal Continuous Integration and Delivery Framework (4D) that standardizes build and delivery processes for Maven, NPM, and Python projects in BlackRock.
- Implementing back-end pipeline services and build tools integration, which consists of Jenkins, BitBucket and SonarQube, to streamline continuous integration and delivery with Java, Spring and Groovy.
- Enhancing 4D dashboard UI (Angular) to better monitoring project repositories, build information and quality metrics, and ensure satisfactory user experience.

Project: Application Packaging in Software Release Permissions Tool (SRPT)

- Developing functionalities in application packaging, which simplifies the way of releasing application by bundling application components into single versioned and deployable unit. Focused on activation part in the application package pipeline which including build, delivery, activation and restart.
- Built application packaging onboarding Python script and back-end Java service to deliver and activate current activated application packages from template client to new clients.

Project: Http2Bms in BlackRock Messaging System (BMS)

- Implemented features in Http2Bms to provide native HTTP client access to BMS.
- Designed and built Http2Bms configuration tool to manage route configuration for Http2Bms. Users can set up Http2Bms routes and provision them in selected environments through UI. Http2Bms configuration tool is made up of Angular web application, Java beam2 server and Aladdin Data Layer (Cassandra).

Software Engineer (Analyst / Junior Level)

Aug 2015 – Jan 2018

Project: Interactive Portfolio Reporting and Analysis Tool (Prism)

- Worked on Prism, which is an interactive portfolio reporting and analysis tool that provides flexibility for viewing portfolio holdings, portfolio risk and returns.
- Refactored data structure and algorithm in Prism server to optimize memory usage. Maintained and improved Angular front-end dashboard.

Project: BlackRock Alpha Accounting System

- Developed alpha valuation service in accounting system to produce fund performance data.
- Onboarded position calculation service to Ignite cluster for high computing power to speed up calculation.

Honor

Global BlackRock Investment Challenge 2017/2018 Winner