Rick Park

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Software engineer with +3 years of industry experience in full-stack development and system design with proficient knowledge in various frameworks and programming languages. Experience in building service platforms and distributed frameworks, spanning across startups and large enterprise. Eligible to work in the UK from June 2023.

Work Experience

Broadridge	**Software Engineer**
Toronto, ON	*October 2021 - Present*

Worked with system architects and tech leads to design internal systems and implement features for brokerage solutions and investment frameworks.

Collaborated with business, QA, and database analyst throughout development life cycle to ensure business requirements were met on time and with quality.

Trained new recruits through onboarding sessions and co-mentorship, covering RPM's system architecture, development life cycle, and environmental setup.

Worked full-stack (Java/C#), focusing in backend specializing on batch processing, data extracts, and server development.

Minds Lab Inc.	**Software Engineer**
Toronto, ON	*March 2020 - August 2021*

Led a team of 3 software developers in Toronto, in designing and developing AI as a Software products, expanding company's main AI service platform.

Collaborated with AI Engineer, UI/UX, and Marketing team to launch +4 production level web applications that leverages Cloud API and AI engines.

Internationalized existing maum.ai service products for global market expansion.

Trained and tested Sound-to-Text (DNN/CNN) models for the Samsung REVO project.

Skills

Language and Framework
Java | JavaScript | C++ | Python | HTML | CSS | Bash | Vue | React | jQuery | Spring

Database
MongoDB | MySQL | MSSQL | PostgreSQL |Oracle | Redis

Other
AWS | Linux | Jenkins | Docker | NGINX

Projects

autoML   **React JS | Spring Boot | MySQL | Docker**

Developed full-stack web app that allows clients to build their own customizable AI model.

Modelled entity relationships and implemented scheduled batch processes to handle AI model requests at different stages (training, testing, queueing, and deployment).

Integrated NAS server to securely distribute essential data required for AI model training and testing.

GIC Maturity Auto Renew Pricing   **Java | Oracle | Bash**

Developed batch process for extracting active term investment certificates qualified for auto renew pricing and adding/updating its maturity instructions with appropriate pricing rates.

Collaborated with business analysts to design complex rule base system in the back-end for validating term investments qualified for pricing auto renewal.

AI Virtual Avatar   **Vue | Spring | Hibernate | MariaDB | Redis | NGINX**

Developed subscription-based payment system by integrating INICIS library and batch process jobs.

Optimized audio data transport using FFmpeg, microservices, and Redis cache to speed up file downloads.

Led development of admin system to monitor user subscription payments, customer inquires, and TTS file downloads

Chat Messenger   **React | socket.io | Node.js | Sequelize | PostgreSQL**

Developed real-time chat messaging using socket.io and Redux to manage and transfer data between users.

Leveraged Material UI for clean design and fast development time and Sequelize to support group chatting functionality.

Enforce secure API routes and authentication using session management and JWT authentication.

Education

Seneca College
Bachelor of Technology in Software Development
09/2017 - 08/2021

Overall GPA: 4.0/4.0
Scholarship (Fall 2019, Fall 2018, Fall 2017)
President's Honour List
(Summer/Winter 2021, Winter/Fall 2018)