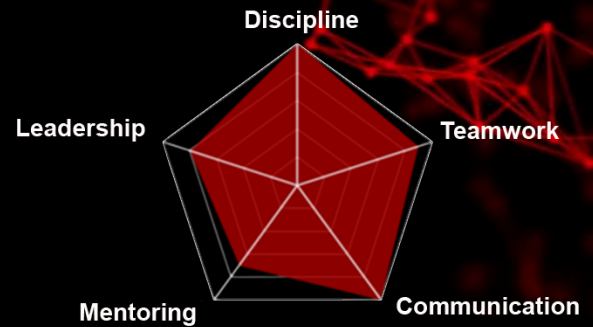


James Ryu

Senior Software Engineer & Architect



Work Experience

Full Stack Engineer, Ontop

ReactJS, Python, Flask, GraphQL, MongoDB

(Jul 2021 - Nov 2024, Full-time, Remote)

Played a pivotal role in product development and helped land a total of €26M in funding

- ❖ Developed multi-tier, duo-core back-end of Flask and GraphQL
- ❖ Improved the application performance through query optimization, caching and threading
- ❖ Implemented role-based access control and the admin panels for each role
- ❖ Established a data processing workflow using Librosa to unearth useful features from the call
- ❖ Draft a model generating sale-related contents based on the input params
- ❖ Mentored 2 junior in-house developers on the topic of AWS

Full Stack Engineer, Athelas

ReactJS, Python, TensorFlow, AWS, Flask, Flutter, DevOps

(Aug 2018 - May 2021, Full-time, Remote)

Accelerated the development of RCM and RPM of Athelas

- ❖ Wrote automated medical billing solution for quicker payments and fewer denials
- ❖ Implemented automated documentation workflow with deep integrations with +20 EHRs
- ❖ Developed highly-visualized dashboard of RCM, presenting real-time revenue analysis
- ❖ Designed AI-powered rules engine of RCM, addressing billing rules and business
- ❖ Wrote mobile app and chrome extension of Scribe using React, Flutter and Chrome APIs
- ❖ Wrote state-of-the-art services for doctors, allowing recording, transcribing and synthesizing insights from patient conversations in seconds

Lead Developer, Gather

ReactJS, TypeScript, Python, AWS, PostgreSQL

(June 2014 - Jul 2018, Full-time, Local)

Started as an intern in the product development department, as a result landed 2 rounds of venture funding.

Took 2 years to become a junior mobile developer. In year 4, got elevated to the role of lead developer overseeing a team of 7 developers and designers

- ❖ Collaborated with designers, product managers, and engineers to implement new features
- ❖ Implemented role-based access control and the admin panels for each role
- ❖ Improved the application performance through query optimization, caching, and threading
- ❖ Replaced the model of multiple simultaneous SFU connections with singles connections
- ❖ Integrated Google services with NodeJS back-end to enhance functionality
- ❖ Wrote solution for sharing multiple screens at the same time using Mediasoup
- ❖ Troubleshoot embedded browser performance issues and cross browser issues
- ❖ Participated in code reviews and design reviews to ensure quality and good architecture

Education



Bachelor's Degree in Computer Science, Henry Samueli School of Engineering

(2010 - 2014)

Chairman of "Tech and Coding" club, led 2 incubator projects during the undergraduate years, one of them nominated in People electronics design contest held in Poznan

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