Seokhyeon Ryu

seok@hey.com | (330) 464-6605

A full-stack software engineer with 5+ years of experience.

Skills

Languages	**Technologies**	**Database Systems**	**Cloud Platforms**
C#	Angular	Microsoft SQL Server	Microsoft Azure
JavaScript/TypeScript	.NET Core	Azure Cosmos DB (NoSQL)	
Python	Node.js		

Experience

Senior Software Engineer — The Predictive Index

Jan 2022 – Present | Remote

- Implemented core backend components providing account authorization and product upgrade capabilities to support new feature rollouts
- Developed database auditor/migrator services with serverless Azure Functions to enforce consistency and validity of Graph DB data
- Drove redesign and implemented more reliable and scalable solution for user de-identification workflows across DBs and third parties for GDPR compliance
- Reviewed and optimized queries and stored procedures to both SQL and NoSQL databases, improving latency for high-trafficked requests
- Served as 1:1 mentor for 3 junior engineers, supporting their early career development

Software Engineer — The Predictive Index

Feb 2019 – Jan 2022 | Boston, MA

- Drove implementation of attribute-based access control (ABAC) system stored in Azure Cosmos Graph DB for enabling authorized access to sensitive user data
- Broke out account setup steps into asynchronous microservices to support product led growth initiatives
- Added localization support in revamped user interface of PI Assessments feature, used by millions around the world each year
- Led department-level meetings to discuss best coding practices

Education

University of California, Berkeley — B.S., Electrical Engineering & Computer Science

Aug 2014 – May 2018 | Berkeley, CA

Coursework: *Data Structures, Algorithms, Database Systems, Internet Architecture, Computer Security, Operating Systems, Artificial Intelligence, Machine Learning*

Activities: *Data Journalist at The Daily Californian, Tech Chair of UCB Circle K, IEEE*