

Jacob Kim

Chicago, IL

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Experience

Adyen

Chicago, IL

SOFTWARE ENGINEER II

Apr 2024 - Present

- Led the development of an integration to allow money transfers in Icelandic Krona
- Contributed to the U.S. payment rails, processing over \$1 billion in daily transfers per day
- Designed and implemented a confirmation of payee integration, improving fraud prevention and payment accuracy

Docusign

Chicago, IL

SOFTWARE ENGINEER II

Nov 2021 - Apr 2024

- Enhanced user satisfaction by implementing real-time sorting for search results and introducing advanced filtering options for reporting, resulting in improved user engagement
- Led the development of a collection of specialized reports, utilizing document attributes and significantly improving data accessibility, which contributed to increased client retention
- Streamlined the integration of automation testing into multiple deployment pipelines, improving the bug-catching process and overall testing effectiveness

Alley

Chicago, IL

CO-FOUNDER & CTO

Jan 2021 - Aug 2021

- Led the modernization of tennis by co-designing and developing a platform that connects and facilitates competition among players of similar skill levels, fostering a thriving community of over 500 users
- Utilized advanced technologies including Firebase for user authentication, Websockets for real-time chat, PostgreSQL for efficient data management, and AWS S3 for streamlined image storage to create a robust and responsive platform
- Managed agile development cycles, consistently delivering new features and addressing user-reported issues, resulting in a rapidly growing user base and high levels of user satisfaction

Allstate

Chicago, IL

FULL STACK SOFTWARE ENGINEER

Sep 2019 - Jan 2021

- Designed and developed an in-house solution for secure application deployment across the enterprise, featuring a Java/Spring backend, ReactJS frontend, and MSSQL database to ensure robust and efficient deployment processes
- Led the development of an image scanning microservice tool and orchestrated its deployment using Kubernetes, facilitating efficient and scalable image scanning capabilities within the organization

IBM

Poughkeepsie, NY

PHYSICAL DESIGN ENGINEER & PROGRAMMER

Jul 2018 - Sep 2019

- Boosted efficiency by reducing simulation run times for chip design by over 10% through the analysis of historical chip data using Python and the provision of optimized inputs
- Mentored an intern in a data visualization project, focusing on the organization of simulated chip data using MongoDB, fostering skill development and knowledge transfer within the team

Projects

Venmo Bot

July 2023

- Developed an automated payment script to manage monthly transactions amongst friends, with real-time transaction notifications
- Utilized a suite of AWS services to securely manage encryption keys and deploy the payment automation script

Illinois Covid-19 Stat Tracker

Apr 2020

- Developed a dedicated website to monitor and display COVID-19 statistics specifically for the state of Illinois
- Leveraged AWS Lambda for serverless data processing, storage, and visualization

Footwork

Apr 2019

- Designed and developed an Android app tailored to tennis athletes, enabling them to refine their footwork skills
- Simulated a tennis rally to replicate matchplay scenarios, focusing on footwork training for athletes

Education

Lehigh University • GPA: 3.74 / 4.00

Bethlehem, PA

B.S. IN ELECTRICAL ENGINEERING • MINORS IN APPLIED MATHEMATICS AND COMPUTER SCIENCE

Aug 2014 - May 2018

Skills

Programming Languages Java • Python • Javascript • C# • Swift

Technologies Spring • React • .Net • SwiftUI • AWS • Git • Docker • PostgreSQL • MSSQL • Firebase