

DO HYUN, SHIN

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EXPERIENCE

EOG Resources – *Data Engineer II, Houston, TX* September 2019 – Present

- Developed and deployed microservice for on-prem servicing of well production data for optimization algorithms, saving over \$200 million in operational costs annually
- Led technical architecture discussions to standardize data contracts, preventing naming conflicts across platforms and divisions while aligning with business needs
- Designed and built ETL processes to aggregate IoT sensor data across divisions, providing real-time insights into company-wide well performance
- Introduced and set up Oracle REST Data Solutions, simplifying the creation of back-end APIs over existing Oracle databases and minimizing development time
- Wrote a WebSocket API to supply real-time CO2 emission metrics for ESG monitoring
- Established and sustained Kubernetes deployments for over 30 services, streamlining CI/CD pipelines for the web application team

Crypto Modern Art – *Blockchain Developer; Seoul, South Korea* January 2018 - March 2019

- Spearheaded technical discussions to build decentralized applications on Ethereum and Hyperledger Fabric, meeting client demands
- Constructed deployment scripts hosting Hyperledger and Ethereum POA networks on AWS EC2 instances
- Engineered smart contracts to resolve transactions across different blockchain solutions, facilitating cross-platform functionality

Military Service – *Army, Combat Medic; South Korea* September 2013 - June 2015

- Provided daily medical care for company personnel
- Supported English/Korean translation for ROK and US officers in joint missions
- Trained new medics for both field and on-base military operations
- Managed prescriptions and inventory for on-site treatment

EDUCATION

The University of Texas at Austin	Master of Science in Information Technology and Management	May 2019
	Coursework Includes: Cognitive Computing, Advanced Data Mining & Web Analytics, User Generated Content Analytics, Big Data & Distributed Programming, Advanced Programming & App Development Overall GPA: 3.42/4.0	
Hanyang University	Bachelor of Division of International Studies Economic/Business Track Bachelor of Computer Science Overall GPA: 3.76/4.50 (Cum Laude)	June 2018

TECHNICAL SKILLS

- **Back End Development:** Python, SQL, NodeJS, Typescript
- **Data Pipelines:** S3, Kafka, Airflow, Oracle, Kotlin
- **Platform Engineering:** Kubernetes, Docker, CI/CD
- **Soft Skills:** Team Player, Mentor

ADDITIONAL INFORMATION

- **Languages:** Fluent in Korean, English
- **Interests:** Movies, Gaming, Swimming