

Byungjin Park

SITE RELIABILITY ENGINEER · SOFTWARE ARCHITECT

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"Be the change that you want to see in the world."

Summary

DevOps Engineer at fintech & blockchain company Dunamu which is known for operating Upbit, the largest cryptocurrency exchange in Korea. Have led growth at infrastructure departments in two fintech companies as lead engineer and founding member. 12+ years of diverse software engineering experience with specialties in software architecture design, infrastructure operation, backend development, and security engineering.

Love to contribute to open sources and tech communities by sharing knowledge and experience. Prefers a command line interface environment as a big fan of Vim, Linux, and macOS. Always trying to customize to find the most optimal environment. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools.

Work Experience

Cimpress

Bengaluru

SENIOR DATA SCIENTIST

Sept 2020 - Present

- Background Removal : This service removes background from any image uploaded by customer and leaves only the salient content in the image. Wrote code from scratch for training the pipeline of the state-of-the-art fba-matting algorithm and also trained U-Net model for saliency detection. The visual acceptance rate for entire pipeline is 87 percent. Technologies Used: python, pytorch, opencv

Foghorn Systems

Pune

DATA SCIENTIST

Feb 2020 - Sept 2020

- Mask Detection : This service helps to identify people not wearing masks and sends alerts in real time. This service was designed keeping the Covid19 pandemic in mind. Trained a SSD mobilenet v2 object-detection model and achieved a precision greater than 85 percent. Technologies Used: python, tensorflow, opencv
- Connector Detection : This service was responsible for detecting joints(connectors) in factories. Based on these joints the workers decided when to drill the oil pipe. Trained a YOLO v3 object-detection model and achieved a precision greater than 88 percent. Technologies Used: python, tensorflow, opencv

Razorthink

Bengaluru

SENIOR ARTIFICIAL INTELLIGENCE ENGINEER

Sept 2018 - Dec 2019

- Table Detection : This service is used to detect tables (bordered and borderless) or table like structures in a pdf document. Built and trained a deep learning model for detecting tables. This was built using Faster Rcnnet(research paper) and curriculum learning. Pretrained VGG16 net was fine tuned on our documents to achieve a precision of 84 percent. Technologies Used: python, tensorflow, opencv
- Template Detection : This service assigns templates to various documents, two documents belong to the same template if they have similar type of text or structure. Built and trained a siamese network with pretrained VGG16 net to detect whether two images are similar or not. If the first page of two different documents were detected to be similar by the siamese network, they were mapped to the same template in the database. Technologies Used: python, tensorflow, opencv, MongoDB

Nowfloats

Hyderabad

DATA SCIENTIST

June 2016 - Sept 2018

- Developed Wildfire Acquisition Service. It finds potential customers for buying our product who are then targeted to generate revenue. Achieved a high conversion rate of 20 per cent. Used Machine Learning(Logistic Regression) and Pearson Correlation to train the classifier on previous data. Technologies Used: Python, Scikit Learn, Pandas, Matplotlib, MongoDB, MySQL
- Developed Update Categorization Service. It fetches all the product updates made by the customers on their websites and then categorizes them into offers, discounts, price. Applied a bag of keywords model to classify the updates into categories. Technologies Used: Python, Scikit Learn, Pandas, Matplotlib, MongoDB

Honors & Awards

INTERNATIONAL AWARDS

2021	2nd Place , AWS ASEAN AI/ML GameDay	Online
2020	Finalist , DEFCON 28th CTF Hacking Competition World Final	Las Vegas, U.S.A
2018	Finalist , DEFCON 26th CTF Hacking Competition World Final	Las Vegas, U.S.A
2017	Finalist , DEFCON 25th CTF Hacking Competition World Final	Las Vegas, U.S.A
2014	Finalist , DEFCON 22nd CTF Hacking Competition World Final	Las Vegas, U.S.A
2013	Finalist , DEFCON 21st CTF Hacking Competition World Final	Las Vegas, U.S.A
2011	Finalist , DEFCON 19th CTF Hacking Competition World Final	Las Vegas, U.S.A

DOMESTIC AWARDS

2021	2nd Place , AWS Korea GameDay	Seoul, S.Korea
2015	3rd Place , WITHCON Hacking Competition Final	Seoul, S.Korea
2017	Silver Prize , KISA HDCON Hacking Competition Final	Seoul, S.Korea
2013	Silver Prize , KISA HDCON Hacking Competition Final	Seoul, S.Korea

COMMUNITY

- 2022 - **AWS Community Builder (Container)**, Amazon Web Services (AWS)
- 2022 - **HashiCorp Ambassador**, HashiCorp
- 2018 - **Organizer of HashiCorp Korea User Group**, HashiCorp

Certificates

- 2023 **AWS Certified Advanced Networking - Specialty**, Amazon Web Services (AWS)
- 2022 **AWS Certified Security - Specialty**, Amazon Web Services (AWS)
- 2022 **AWS Certified Solutions Architect – Professional**, Amazon Web Services (AWS)
- 2021 **AWS Certified SysOps Administrator – Associate**, Amazon Web Services (AWS)
- 2020 **Certified Kubernetes Application Developer (CKAD)**, The Linux Foundation
- 2023 **HashiCorp Certified: Consul Associate (002)**, HashiCorp
- 2023 **HashiCorp Certified: Terraform Associate (003)**, HashiCorp

Education

POSTECH(Pohang University of Science and Technology)

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Pohang, S.Korea

Mar. 2010 - Aug. 2017

- Got a Chun Shin-Il Scholarship which is given to promising students in CSE Dept.