Ruiyang Ding

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Github
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Programming Languages
Python, C++, Java, JavaScript, Scala, Shell Script, SQL

Frameworks and Tools
Jenkins, Terraform, Flask, Django, Node.JS, jQuery, Socket.io, Spark, Kafka, Android, Docker, Kubernetes, RabbitMQ, Celery, Git, SQL, JavaFX, AWS, GCP and LaTeX

Honor

Partner Challenge Winning Team
Junction 2018
Espoo, Finland
Get 1st in challenge:"Innovate Beyond MobilePay". Win 2500 €prize from MobilePay. Develop backend service(Node.js) for our prototype.

EIT Digital Scholarship
EIT Digital Academy
Awarded a scholarship of 1000 €/Month, for 2 years Top prize for non-EU student.

Introduction

I'm a motivated second-year master student from Aalto University/TU Delft, major in Computer Science. My past job and project bring me rich experiences in software development, container & cloud technologies and big data processing. Currently, I'm looking for a graduation internship position for doing my master thesis. My interest topic lies in cloud architecture(container technologies, cloud native architecture, cloud services, CI/CD) or distributed big data processing.

Working Experiences

02.2020–Now   **Eficode**   Helsinki, Finland
DevOps Consultant
- Master thesis project: Cloud Utilization in DevOps toolchains.
- Working in internal projects. Task includes backend development with Google Cloud Platform.
Technologies: Flask, Spring Boot, Jenkins, Docker, Kubernetes, Terraform, GitHub Actions, AWS, Google Cloud, Google Sign-In, JWT

04.2019–08.2019   **A+ LMS/Aalto University**   Espoo, Finalnd
Microservices and Backend Developer
A+ is an interoperable and extendable Learning Management System (A+ LMS) that extensively used in Finland with over 500,000 exercise submissions per year. I worked as a full-time regular employee during this period.
My work includes:
- Passwordless authentication module, based on LTI(Learning Tools Interoperability) protocol.
- Fullstack development of the course management system.
- Distributed and scalable continuous integration (CI) system for course material building, includes a real-time frontend dashboard for build step/log display.
- Containerization of CI and course management services with Docker and S6 supervision suit.
- Deployment of course building containers with Kubernetes API.
Technologies: Flask, Celery, RabbitMQ, Docker, Kubernetes, WebSocket and skarnet s6

03.2017–07.2018   **ShanghaiTech University**   Shanghai, China
Research Assistant(Software Developer)
Worked as a research intern in Shanghaitech UAV Lab. Also, write my bachelor thesis on this position.
- Develop uniform C++ API interface for flight control and real-time data collection with stereo camera, radar,etc.
Worked part-time as backend developer for School of Creative Arts (02.2018-04.2018)
- Developed the backend service of the seat reservation system for the university's conference centre.

Education

2018–Now   **Aalto University**   Espoo, Finland
Master of Science, Major: Cloud Computing and Services, Minor: Innovation and Entrepreneurship
Entry year(2018-2019) of EIT Digital Master School

2018–Now   **Delft University of Technology**   Delft, Netherlands
Master of Science, Computer Science(Cloud Computing and Services)
Exit year(2019-2020) of EIT Digital Master School, Track:, Distributed Data Processing

2013–2017   **China University of Petroleum**   Qingdao, China
Bachelor of Science, Automation