Zhaohan Gao

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EDUCATION

VU Amsterdam & University of Amsterdam   Aug 2024 - Jun 2026
Master of Computer Science   *Amsterdam, Netherlands*

Northeast Normal University   Sep 2019 - Jul 2023
Bachelor of Engineering in Software Engineering   *Jilin, China*

EXPERIENCE

BO5- online marketing   Sep 2024 – Nov,2024
Software Developer (Part-time)   *Veldhoven, Netherlands (Remote)*
Help to develop and deploy the Django application
Tech skills: Python, Django, MongoDB, Docker, AWS

Jack Technology Co., Ltd   Jul 2023 - Jul 2024
Software Engineer   *Zhejiang, China*
Developed the ETL processes for data integration and cleansing. Create reports that collect data from 6 different apps.
Used Fanruan BI tool to create reports and created graphs for data visualization
Utilized Pentaho Data Integration (PDI) to manage data flows and configure scheduled tasks for automated data cleaning.
Was responsible for front-end and back-end software development. Built and maintained the CI/CD pipeline.
Took part in refactoring an app. Participated in designing the app's new architecture.
Participated in upgrading the app's middleware. Migrated the data from the old server to the new server.
Tech skills: Data Warehousing, MySQL, Oracle, SQL Server, MongoDB, Jenkins, Docker, Java, SpringBoot, Vue.js,

Covestro   Mar 2023 - Jun 2023
IT Intern   *Shanghai, China*
Developed 2 low-code applications for the company.
Visualized cost savings generated by the Suggestion System application using Microsoft Power BI.
Collaborate with colleagues to deliver and operate the application.
Tech skills: Power BI, PowerApps, HTML, CSS

PROJECT

Food Delivery App DevSecOps Project [Github](#)   Jul 2024
Developed a full-stack food delivery application using Node.js, React.js, and MongoDB.
Enabled customers to browse and order food directly through a user-friendly web interface.
Used Opensearch to store and visualize the logs of the system.
Ensured application security and quality through Trivy and SonarQube.
Built Docker images of the app and pushed them to Docker Hub for deployment. Automated the CI/CD pipeline using Jenkins.
Deployed Prometheus and Grafana on AWS EC2 instances to monitor the status of the Jenkins server.
Created Kubernetes cluster by using AWS EKS. Deployed the application on the Kubernetes clusters.
Tech skills: Git, Node.js, React.js, AWS, Jenkins, Trivy, SonarQube, Kubernetes

Chat App [Github](#)   May 2024
Developed an real-time chat application using the MERN stack (MongoDB, Express.js, React, Node.js).
Implemented real-time messaging functionality using Socket.io, enhancing user interaction and communication within the application.
Developed real-time online user status features using Socket.io and React Context, providing dynamic updates.
Tech skills: React.js, Node.js, MongoDB, Express.js, Socket.io