Hong Wu

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Third year full-stack software developer. Proficient in Python, Java, JavaScript, HTML. Familiar with a range of tech stacks, including Spring, Maven and React. Master study focused on cloud application and machine learning. Seeking full time position in software development and web app development.

EXPERIENCE

Tata Consultancy Services, Edison NJ — *Software Developer*

Nov. 2021 - Jan. 2025

Roles:

• Design, develop, and deployment of one module and many features for Verizon Fuze Real Estate and Site Project management web app
• Developed and maintained full stack web applications using Java, JavaScript, HTML, CSS, Spring and Maven knowledge
• Collaborated with cross-functional teams to gather requirements and design scalable software solutions
• Implemented responsive user interfaces for seamless user experience across different devices
• Optimized application user experience by identifying and resolving defects in code or database queries
• Utilized version control systems (GitLab) to manage source code changes and facilitate collaboration among team members
• Performed logging, unit testing, debugging, and troubleshooting of software components to ensure high-quality deliverables
• Worked closely with product managers to prioritize features based on customer needs and business goals
• Implemented continuous integration/continuous deployment (Jenkins CI/CD) pipelines for automated build, test, and deployment processes
• Provided technical guidance (KT session) to new developers and testers
• Used agile methodologies (Jira) to manage project timelines, prioritize tasks, and deliver software increments
• Collaborated with E2E testers and QA engineers to identify and resolve software defects or issues through testing and debugging
• Collaborated with PO, BO, and users to provide effective dev-op support for Production environment
• Developed RESTful APIs for seamless integration between frontend and backend systems using Ajax

EDUCATION

University of Illinois at Champaign-Urbana, remote
Master in Computer Science

Jan. 2023 - Aug. 2025

• In Progress GPA: 3.55
• Hands on project experience with AWS Datacloud, Python AI Model Training, Large Data DistributedFile System
• Lecture subjects including Network security, cloud computing, applied machine learning, scientific visualization, data mining
• Deployed python program on EC2 using launch template
• Configured the IAM role, policies and load balancer for auto-scaling web

Tech Stacks

- React (5 months)
- Python (2 years)
- HTML (3 years)
- Unit Testing (3 years)
- OOP (3 years)
- AJAX (3 years)
- Jenkins (3 years)
- CSS (3 years)
- Oracle SQL (3 years)
- No SQL
- REST (3 years)
- GitLab (3 years)
- Bootstrap (5 months)
- TypeScript (5 months)
- Maven (3 years)
- AWS
- AWS EC2
- IAM
- VPC
- Network Security
- Kubernetes
- MapReduce
- Hadoop
- PySpark
- Numpy
- PyTorch

app using AWS Lambda Function
· used AWS Lex to create interactive Chatbot
· used Aurora RDS with template files stored in S3 to create a
pre-populated database
· used AWS Glue to run an ELT job that analyze and clean the data
· used AWS Athena to run various SQL
· created an ElastiCache Redis cluster and connect from local using
postman
· Implemented different types of cache for DB access, including
write-through and lazy-loading
· utilized AWS EKS to deploy K8s cluster with Docker image
· used Hadoop MapReduce, Apache Strom to perform large data cleaning
and information extraction
· used spark graphFrame and MLLib to do graph data analysis

Northern Illinois University, DeKalb IL
Bachelor in Computer Science

Sept. 2014 - June 2021

· GPA: 3.33
· Individual project experience and group collaborative project experience
using C++, Java, MySQL, HTML
· Lecture subjects including computer system architecture, software
engineering, programming languages, algebra, calculus, statistic
· Applied Mathematic minor

PROJECTS

Fuze Real Estate and Site Projects Management

Nov.. 2021 - Jan. 2025

Fuze is a web app for 5G antenna installation reports.

Roles:

· Participated in designing and implementing Fuze Real Estate Bulk
Permit module, which allows users to create antenna installation permits
request in bulks
· Participated in creating FUZE Real Estate Outbound Crown No-Revenue
workflow, where users could create amendment forms for their existing
outbound packages
· Implemented the email notification design for Fuze RE CAS workflow
· Participated in designing and implemented the Fuze RE TRT workflow
for outbound package reviewer collaboration
· Developed front end features using JavaScript with Java Server Face (JSF)
· Developed back end functions for API calls using JAVA
· Developed database code using Oracle SQL
· Developed unit testing automation using Junit and Mockito
· Developed logging functionality using log4j
· Refactored non-RESTful code that fails Sonar test
· Assisted PO for writing story requirements and specification
· Assisted E2E team on understanding new implemented workflow
· Assisted code review for production preparation
· Provided efficient defect analysis and fix to improve user experience
· Participated in large scale web app development cycle with version
control and CI/CD Jenkin pipeline
· Participated in Agile scrum SDLC

·Spring (3 years)

·Spring MVC (3 years)

·Java (3 years)

·Bash (3 years)

·JUnit (3 years)

·JavaScript (3 years)

·jQuery (3 years)

·Web Services (3 years)

·CI/CD (3 years)

·KendoGrid (3 years)

·Jira (3 years)

·Agile (3 years)

·JSON (3 years)

·SDLC (3 years)

·APIs (3 years)

·Docker

LANGUAGES

Fluent in English and Chinese