
For position : Python Engineer
Candidate's name : Li Zheng 郑历
Gender : Male
Nationality : China
Place of living : GuangZhou
Highest education : Master degree
Availability : One month
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Email : 19534207@qq.com

CANDIDATE OVERVIEW

- Have 5 years of implementation development operation and maintenance experience, and nearly 2 years of full-stack development experience.
- Familiar with jQuery, Java, Python.
- Familiar with data structure and related algorithms, such as BFS, DFS, binary tree, optimal binary tree, red black tree, violent sort, bubble sort, etc.
- Have a certain understanding of artificial intelligence, including the concept of Agent, Machine Learning, DFS, BFS, Finite State Machines, enhanced Learning algorithm, etc.
- Knowledge of AWS products and practical project application experience, including Ec2, S3, DynamoDB, EB, EMR, SNS, Lambda, APIC - Gateway.
- Familiar with black box and white box testing principles, familiar with using test tools such as Junit5, Apache JMeter, Selenium, Zephyr Squad, etc.
- Have experience in Android project development, Unity3D and ML-Agent development, and have understood and used TensorFlow framework.
- Familiar with big data technology, including EMR, Hadoop, MapReduce, Spark, DStream, RDD principle and implementation method, and Scala.
- Familiar with agile development process and related development mode. Worked as a Scrum master during the graduate internship program.
- Familiar with THE principle and application of API, used to design API with PHP in Happsa project, and obtained data in DynamoDB for android call.
- RHCE certificate, familiar with shell scripts and SQL, T - SQL and stored procedures.

EDUCATION AND CERTIFICATE

Education:

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|---------------------|--|----------------------------------|----------|
| • 2019.06 - 2021.11 | RMIT University | Master of Information Technology | Master |
| • 2013.01 - 2017.01 | Sun Yat-Sen University | Software engineering (part time) | Bachelor |
| • 2006.09 - 2009.07 | Guangzhou Panyu vocational and Technical College | Mold design and manufacturing | Diploma |

Certificates:

- RHCE

CAREER SUMMARY

Duration: 2022.08-now
Employer: NCS
Position: python developer

Responsibilities:

- Responsible for big data visualization projects, using tools such as Python, PySpark, and QlikSense to generate dashboards.
- Use Python Selenium to scrape data from specific websites and create dashboards with visualization tools.
- Build data pipeline with Kedro, familiar with git.
- Analyze data and build dashboard by using QlikSense based on scraped data sources, such as analyzing the types of high-frequency customer complaints and the proportion of various types of complaints.
- Participate in weekly meetings and brainstorming sessions with Singapore and Hong Kong teams.

Duration: 2022.02-2022.05

Employer: Osmundacn

Position: Full Stack Engineer

Responsibilities:

- Develop customize features by jQuery, Java, Python. Such as the feature which can crawl the currency of everyday into excel and generate the spreadsheets for Finance dept.
- Using Java base on the framework of JFinal to generate payment contract from specific template after the workflow of OA has completed.
- Using jQuery developed features so that the workflow can be redirected dynamically according to specific value.

Duration: 2021.07-2021.1

Employer: HAPPSA Group Pty Ltd (intern)

Position: Java Developer

Responsibilities:

- Setup AWS environment, such as Ec2 with git, release repository, DynamoDB, and local development environment (AWS SDK, AWS CLI, Git, PHP Compose, Android studio), Jira project repository.
- Develop the apps and web portal UI.
- Develop the Get Location API by PHP, develop download location from API in android by using Retrofit, and auto-fill the location in drop-down list and achieve 3 level conjunctive dynamic query.
- The functionality of change password for web portal by PHP and DynamoDB.
- Documentation, meeting minutes. Jira task updating on time.
- Stakeholders' requirement definition.
- Key Achievements:
- Successfully develop the Get Location API by using PHP.
- Successfully achieve 3 level conjunctive dynamic query for drop-down list in Android.
- Successfully deliver high quality products to client on time.

Duration: 2016.12-2019.04

Employer: HSBC

Position: Implementation engineer

Responsibilities:

- Responsible for the daily operation and maintenance of the stock trading system, assisted RM to solve system problems, and provided 7X24 hours platform support service.
- Responsible for debugging, daily monitoring, troubleshooting, data backup, log analysis, and remote DISASTER recovery simulation exercises.
- Participate in production configuration change and management.
- Participate in the customization and management for batch job of Control-M.

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- Participate CI/CD process, including assistance from Gitblucket, Jenkins, Jira and other tools.
 - Participate in periodic regression testing and deliver projects using agile methods.
 - Participated in projects with global teams, including USA, Singapore, Malaysia, Middle East, Hongkong etc.
 - Regularly business trips to Hong Kong and cooperate with Hong Kong team.
 - Due to the need to work with global team, daily communication is mainly in English.

Duration: 2016.06-2016.12

Employer: AOSTAR INFORMATION TECHNOLOGIES CO., LTD

Position: Implementation engineer

Responsibilities:

- Conducted testing and deploy to UAT and production, as well as backstage technical support for on-site operation and maintenance. Setting up test platform independently, including build up WebLogic cluster, and release war package. Independently set up oracle database and initialize the environment of the database, allocate account permissions, create table Spaces, and initialize tables, and independently setting up Active MQ.
- Documentation like deployment documents, test documents, improve maintenance documents, etc.

Duration: 2011.11-2016.04

Employer: Beijing Ultrapower Software Co., Ltd

Position: Implementation engineer

Responsibilities:

- 4A System of China Mobile Guangdong.
- Responsible for building, upgrading, and maintaining the audit module and solving the problems of users, assisting in analyzing system bugs and tracking processing progress, writing, and updating relevant documents.
- Responsible for maintaining logs of login, logout, operation command in production server and database, extracting sensitive operations and behaviors after standardization, and customizing related reports.
- Led the optimization scheme of log collection. Due to the huge number of concurrent logs, the log collection missed occurred.
- China Mobile Guangdong project security event system
- Responsible for building, upgrading, maintenance and testing new functions of security events. Follow up the progress of bug handling and write relevant documents.
- Access the firewall logs and standardized logs, and divide the log categories, such as attack, vulnerability scanning, and information acquisition. Defining alarm scenarios based on log types to display desired alarm information, such as password explosion and DDOS attack scenarios.

PROJECT SUMMARY

Company NCS

Project Name: HK Control Tower Room

Position: Python Developer

Project Description:

Main Responsibilities:

- 1.Implementing automated data import processes using Python.
- 2.Scraping web data.
- 3.Processing data using Pyspark and generating visual reports using QlikSense.
- 4.Performing batch data migration using Shell scripting.

Project: Internal OA System secondary development

Description: Optimize OA workflow and develop new features to help other departments work more efficiently.

Responsibilities:

- Develop customize features by jQuery, Java, Python. Such as the feature which can crawl the currency of everyday into excel and generate the spreadsheets for Finance dept.
- Using Java base on the framework of JFinal to generate payment contract from specific template after the workflow of OA has completed.
- Using jQuery developed features so that the workflow can be redirected dynamically according to specific value.

Project: HAPPSA Waste Capture

Description: Developed System of waste information managing with Android end and Web End.

Responsibilities:

- Setup AWS environment, such as Ec2 with git, release repository, DynamoDB, and local development environment (AWS SDK, AWS CLI, Git, PHP Compose, Android studio), Jira project repository.
- Develop the apps and web portal UI.
- Develop the Get Location API by PHP, develop download location from API in android by using Retrofit, and auto-fill the location in drop-down list and achieve 3 level conjunctive dynamic query.
- The functionality of change password for web portal by PHP and DynamoDB.
- Documentation, meeting minutes. Jira task updating on time.
- Stakeholders' requirement definition.

Key Achievements:

- Successfully develop the Get Location API by using PHP.
- Successfully achieve 3 level conjunctive dynamic query for dropdown list in Android.
- Successfully deliver high quality products to client on time.

Project: Stock trading System

Description: Stock trading system operation and maintenance

Responsibilities:

- Responsible for the daily operation and maintenance of the stock trading system, assisted RM to solve system problems, and provided 7X24 hours platform support service.
- Responsible for debugging, daily monitoring, troubleshooting, data backup, log analysis, and remote DISASTER recovery simulation exercises.
- Participate in production configuration change and management.
- Participate in the customization and management for batch job of Control-M.
- Participate CI/CD process, including assistance from Gitblucket, Jenkins, Jira and other tools.
- Participate in periodic regression testing and deliver projects using agile methods.
- Participated in projects with global teams, including USA, Singapore, Malaysia, Middle East, Hongkong etc.
- Regularly business trips to Hong Kong and cooperate with Hong Kong team.
- Due to the need to work with global team, daily communication is mainly in English.

Project: 4A project of Southern power grid

Description:

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- Responsible for the construction, upgrade, maintenance and testing of new functions of 4A system of China Southern Power Grid.
 - Responsible for deploying package to production environment, setting up the UAT environment and functional testing and verification.

Responsibilities:

- Conducted testing and deploy to UAT and production, as well as backstage technical support for on-site operation and maintenance. Setting up test platform independently, including build up Web-logic cluster, and release war package. Independently set up oracle database and initialize the environment of the database, allocate account permissions, create table Spaces, and initialize tables, and independently setting up Active MQ.
- Documentation like deployment documents, test documents, improve maintenance documents, etc.

Project: 4A System of China Mobile Guangdong.

Description:

- Responsible for building, upgrading, maintenance and testing new functions of China Mobile 4A system.
- Bug tracing and troubleshooting. Project documentation, such like user handbook.

Responsibilities:

- 4A System of China Mobile Guangdong.
- Responsible for building, upgrading, and maintaining the audit module and solving the problems of users, assisting in analyzing system bugs and tracking processing progress, writing, and updating relevant documents.
- Responsible for maintaining logs of login, logout, operation command in production server and database, extracting sensitive operations and behaviors after standardization, and customizing related reports.
- Led the optimization scheme of log collection. Due to the huge number of concurrent logs, the log collection missed occurred.
- China Mobile Guangdong project security event system
- Responsible for building, upgrading, maintenance and testing new functions of security events. Follow up the progress of bug handling and write relevant documents.
- Access the firewall logs and standardized logs, and divide the log categories, such as attack, vulnerability scanning, and information acquisition. Defining alarm scenarios based on log types to display desired alarm information, such as password explosion and DDOS attack scenarios.

LANGUAGES

English: Fluent

Mandarin: Native

Cantonese: Good