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| 8F, No.186  Zhongshan Rd., Sanxia Dist.New Taipei City, Taiwan 23741 | Jay Hung | [youngjay9@gmail.com](mailto:youngjay9@gmail.com)  0981253679 |
| Employment | | |
| Senior Engineer | Cathay Finacial Holdings  Digital, Data And Technology | April 2019 |
| * **Refactor the myRewards App ticket exchanging system, and improved system performance to increasing the number of ticket exchanging times and average opened days**   Sorted out the system process and architecture before refactoring myRewards App.  Carried out the following development to improve system process and architecture:  Creation of automated scheduling system to add the ticket file of external system, and write off ticket file.  Improved the system slow problem of querying and exchanging ticket function.  Utilized technologies: Java, Spring Boot, Spring Cloud, Oracle PL/SQL, Linux Cron Job, SQL。   * **Creation of myRewards App invoice carrier function in order to increasing the average opened days. Developed automated scheduling system to read the invoice detail data in order to facilitate behavioral pattern analysis for data team member.**   Creation of automated scheduling system used producer and consumer design pattern to query invoice detail data from the ministry of finance provided API with customer invoice carrier hidden code, and stored the data to DB.  Utilized technologies: Java, Spring Boot, SQL   * **Creation of myRewards App task wall function to give customer ticket points in order to increasing the exchanging times.**   Planed the task wall system process and designed the table schema according to needs.  At the same time cooperate with the company's internal technology transformation used python to develop the task wall function provide API for app.  Develop the system background using Django framework, provied users with information on the task wall.  Utilized technologies: Python, Django, Docker, Protocol Buffers | | |
| Senior Engineer | Far Eastone | Sep 2014 |
| * **Creation of automated processes resulting in shortened operating hours, customer growth of 10%, and earning increase of 20%**   Cross-unit cooperation is required for the system setup process. My responsibility is to gain a full understanding and integrate the demands of all units, convert the API practices provided by other units into system functions, and fully link all features to automate the customer application process for telecommunication services. Automated processes and greatly simplified operations have resulted in customer growth of 10%, and profit growth of 20%  Utilized technologies: Java, Spring, SOA, AngularJS, XML, JSON, SQL   * **Utilization of big data to create a database for the company in order to facilitate data analysis and lay the foundation for major decisions in the future**   When my team and I designed the system, we took the user interface into consideration to allow customer service personnel to quickly record feedback provided through incoming customer calls to the customer service center and store it in the database. This facilitates the creation of reports for customer behavior analysis and corporate decision making.  Utilized technologies: Java, Spring FrameWork, AngularJS, JMS(EMSQueue), Linux CronJob,XML, SQL;   * **Projects**   EMSQueue WebListener:  <https://github.com/youngjay9/Java_Web_EMSQueueListener>  Linux Cronjob:  https://github.com/youngjay9/Linux\_Java\_CronJob | | |
| Engineer | Fullerton Technology | May 2010 – Aug 2014 |
| * **Assistance in the creation of EZ Ding, the largest movie ticket booking platform in Taiwan to expand the potential customer base and increase the order volume.**   The EZ Ding platform links the webservices provided by major cinemas and online cash flows of banks, which allows users to make seat reservations by pressing a single key and greatly facilitates online credit card payment from the homes of customers. Due to its user-friendly operations and time-saving online processing (customers don’t have to line up), the company’s potential customer base is expanded and the order volume is increased.  EZ Ding website: <https://www.ezding.com.tw/>   * **Projects**   https://ezding.com.tw | | |

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| Educational background | | |
| Taipei City | Shi Hsin University | Sep 2003 – Aug 2006 |
| * BA in Information Management * Successfully completed university courses: C Programming Language, Introduction to Computer Science, Database Concepts, Data Structures and Algorithms, Introduction to Operating Systems and Calculus | | |

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| Other professional skills |
| * Practical application of algorithms of discrete mathematics through the utilization of python programming language and utilization of Big-O to compare time complexity of different algorithms   For relevant practical applications please refer to: https://github.com/youngjay9/algorithm\_for\_python   * Computer structure and concepts   Execution of data path and pipeline based on an in-depth understanding of program compilation through familiarization with computer structure as well as clear understanding of memory architecture concepts; for relevant design notes please refer to:  <https://github.com/youngjay9/computer-organization-and-design#my-computer-organization-and-design-note> |