# Phua Xue Yong Joshua

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## Employment History

### KeyReply
**Software Engineer**                                                                          Aug 2018  – now 2020

- Front the quality assurance process, got the engineering team on board onto a testing process, and created CICD testing process. Key engineer to perform team wide code review. Improved the entire application's test coverage from 0% to 30%
- Lead software engineer for all healthcare projects integration into Singapore's healthcare cloud including rancher k3s deployment.
- Developed and integrated Ceph Storage for on-premise solutions.
- Developed and integrated Cache Module into our application to improve the number of concurrent users by up to 300%
- Maintained applications on Kubernetes Cluster for on-premise and cloud deployments with the use of Kustomize
- Deployed Azure resources through the use of Terraform
- Performed system administrative maintenance under the scope of Devops engineer

Technologies used but are not limited to: Vue.js, Node.js, Express.js, Typescript, Redis, MSSQL, Azure Table Storage, Docker, GraphQL, Kubernetes, Rancher k3s, Jest, Kustomize, Ceph Store, Terraform, Nginx, Apache

### Accenture Pte Ltd
**Accenture Discovery Internship Programme**                               May – Jul 2016; May – Jul 2017

- Anchored the VBA scripts used for internal reporting and external communications in raising service request that is used daily by clients, which helped to streamline the business service request process by at least 50%
- Independently created a SAP Financial Data Migration and Data Reconciliation Manual for the internal project team's usage, which helped to reduce more than 50% of required operational effort through the consolidated instructions and knowledge transfer from the overseas team
- Assisted the Data Migration Team Lead with Full Dream Rehearsal Planning and execution processes prior to Actual Cut Over

## Additional Projects

**Final Year Project**                                                                          Apr 2016 – Dec 2016

- Anchored the core features of a C2C Consumer web application project for a Final Year Project
- Engaged in numerous open source Javascript Libraries to implement more user-friendly functions and entensive user features (Special features such as Webshot.js to screenshot a page based on a url provided)
- Anchored the entire Administrator tools on the Interface and backend validations of the project to deal with request that comes in from real users
- Independently built on Javascript with Meteor Framework, React.js and MongoDB as the backend
- Pitched for the project with the Institute of Innovation and Entrepreneurship and during a startup weekly pitch

## Education

**Singapore Management University**                                                            Aug 2014 – Aug 2018

Bachelor of Science in Information Systems, BSc (ISM), 2nd Major in Finance - Magna Cum Laude

- *Placed on School of Information's Systems Dean's list for AY2015-2016 & AY2016-2017*
- *International Exchange Student at Mcmaster University*
- *Distinction in Financial Accounting, Enterprise Integration, Architectural Analysis, Financial Instruments, Institutes and Markets, Analytical Skills, Enterprise Web Solution*