Joshua Fernandes

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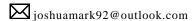
Education

Masters in Computer Application   2013 – 2016

Visvesvaraya Technological University

Bachelors in Computer Application   2009 – 2012

Christ University

Skills

Full Stack : Angular 2+, AngularJS, Bootstrap, c3, d3, CSS3, ES6, HTML5, ReactJS, JavaScript, TypeScript, Node.js, Express
Other : MySQL, MongoDB, PostgreSQL, Docker, Kubernetes, Jenkins, Helm, Python, Shell, Camunda, Photoshop, Git, AWS, GCP
Certifications : AWS Certified Solutions Architect Associate
Awards : 1st Place in hackathon for indoor AR Navigation, 3 Spot Awards , 1 Applause Award, 1 Outstanding Award

Experience

Deloitte | Full Stack Developer   2016 – present

Curator – *AngularJs, Bootstrap, c3, d3, Jenkins*
- Built a frontend application that will allow users to create workspaces that allowed them to ingest large volumes of data and build visualizations and dashboard around it.
- Worked on creating an in-house visualization library that was based on c3, d3, and high charts.
- Implemented a custom lazy loading component that brought down page load time from 1 min to 3 sec.

Predict Risk – *AngularJs, Bootstrap, Java Spring, Camunda, Jenkins, Kubernetes, MongoDB*
- Built an advanced analytics offering for Life Insurance clients.
- Used Camunda to create automated workflows to execute data processing logic.
- Maintained a maximum of 3 seconds response time for any request.
- Established an aggregation cube to bring down computation time from 30 seconds to less than 3 seconds.
- Created new customized APIs to decrease dependency on third party leading to cost reduction.

RegExplorer – *AngularJs, Bootstrap, Node.js, Express*
- Worked full-stack to create an application to assist government agencies with the regulatory reform process by bringing insight and a deeper understanding of their regulatory landscape.
- Refactored the legacy code base from python to Node.js improving scalability and performance.
- Optimized Postgres queries to bring execution time from 40 sec to 4 sec

Blockchain Accelerator – *Kubernetes, ReactJS, Helm, Python, Shell, Node.js, Express, AWS, GCP*
- Built a cross platform, full-stack, plug and play blockchain building and maintenance solution.
- Brought down deployment of a blockchain network time from 40hrs to 4hrs.
- Developed scripts to execute Minikube, AWS and GCP commands to deploy cloud formation templates, connect to a kubernetes cluster and execute helm scripts.
- Worked on the UI that helps practitioners select the configurations required to setup the Blockchain network.

DevOps – *Kubernetes, ReactJS, Helm, Python, Shell, Node.js, Express, AWS, GCP*
- Migration of the existing environments of Curator, Predict Risk, and RegExplorer to the cloud saving infrastructure costs and deployment time.
- Headed the containerizing of UI applications and deploying to kubernetes using helm charts.
- Took part in the design and configuration of a fully automated CI/CD lifecycle.

ITC Infotech | Junior Executive IT   2012 – 2013
- Executed Overnight Batches on AIX servers and monitored ETL procedures.
- Handled execution of change requests, monitored and reported user usage statistics