Joshua Fernandes

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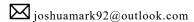
Education

Masters in Computer Application   2013 – 2016
Visvesvaraya Technological University

Bachelors in Computer Application   2009 – 2012
Christ University

Skills

Full Stack :
Other : Shell, Camunda, Photoshop
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

Landmark Group | Senior Data Engineer   Sept 2021 – present

Invento – Django, *Vue, Airflow, Azure, MySQL*
- Designed and built applications for the data analytics team to estimate best markdown, orders for inventory and shipping costs.
- Converted a manual data entry step into a U.I. component that made it easier to visualize and map data.
- Designed application architecture for migration towards cloud and the use of Kubernetes.

Deloitte | Full Stack Developer   Aug 2016 – Sept 2021

Predict Risk – *AngularJs, Bootstrap, Java Spring, Camunda, Jenkins, Kubernetes, MongoDB*
- Built an advanced analytics offering for Life Insurance clients.
- 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