

Jishwin Jude

Junior DevOps Engineer

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EXPERIENCE

Travancore Analytics, Infopark, Kakkanad

Junior DevOps Engineer

January 2021 - Present

- Core member of the DevOps Team.
- Increased efficiency within the organization by 50 % with the introduction of new tools.
- Decreased the downtime of deployments by 90% by implementing container orchestration.

Alpha Design and Technologies PVT LTD, Indiranagar, Bangalore

Junior System Administrator

March 2020 - December 2020

- Core member of a limited IT team to manage and monitor the infrastructure.
- Helped 5 departments in debugging network related issues and thus increasing productivity by 40% .

EDUCATION

Amal Jyothi College of Engg, Kanjirappally, Kottayam

B Tech – Computer Science and Engineering

August 2015 - June 2019

CGPA – 6.99

Sacred Heart CMI Public School, Thevara, Kochi, Ernakulam

Higher Secondary Education CBSE

June 2013 - March 2015

Percentage – 79.4

SKILLS

AWS, Azure, Terraform,
Packer, Docker, Python, Shell
Scripting, Fastlane, Linux,
Git, Nginx, Apache, Jenkins &
CICD

AWARDS

University Basketball Team
Captain in the year 2018-19

Represented KTU Basketball
team in the years 2016,2017
and 2018

LANGUAGES

English and Malayalam

PROJECTS

Q Reality

AR mobile applications for NBA and PGA Tour.

They allow the users to have an immersive experience in the arena and at home.

DevOps activities in the project.

- The whole infrastructure is deployed using **Terraform, Packer, and Jenkins** on the **Azure Cloud**.
- Integral member in bringing up the infrastructure by writing **Terraform** scripts and configuring Jenkins using **Declarative Pipeline**.
- Also the mobile apps for **Android** and **iOS** are also built and released for **Internal Testing** as well as **Store releases** were automated using **Jenkins, Fastlane, Shell Scripts, Xcode, and Android Studio**.
- The Backend server's images are built using **Packer** and **Jenkins**. The images that are built are uploaded to **Azure**.

Travancore Analytics - Internal and Customer Web Apps

- Automation using **Jenkins** for **building** and **deploying** React Web Apps to server.
- Some of the **AWS** resources used are **EC2 Instances, S3 buckets, Cloudfront, Route 53, Loadbalancers, etc.**
- Used **Nginx** and **Apache** web servers and **Mongo DB** instances as Database.
- Backend processes were booted up using the **PM2** process management tool.
- **Dockerisation** of Web Apps and deployment to servers as **Docker Containers** using **Jenkins Declarative Pipeline**.
- **Monitoring** of the apps using tools such as **Prometheus** and **Grafana**.
- **Static Code Analysis** using **SonarQube** with the **CICD** integration using **Jenkins**.
- **Integrated Build Status Alerts** to **MS Teams, Slack, and Email**.

Travancore Analytics - Internal and Customer Mobile Apps (Android and iOS)

- Automation using **Jenkins** for **Android** and **iOS** platforms using **Jenkins**.
- Build apps using IDEs such as **Xcode** and **Android Studio**

- automate this process using **Fastlane** and **Jenkins**.
- The apps are **built** and **deployed** to servers for the **developer** and **QA Testing**.
- Automation of the Release Process to **Google Play Console** for **Android** and **App Store** for **iOS**.
- **Static Code Analysis** using **SonarQube**; this process is automated using **Jenkins**.
- Integrated **Build Status Alerts** to **MS Teams**, **Slack**, and **Email**.