

# Ajay Balachandran

Full Stack Developer

[github.com/ajaybc](https://github.com/ajaybc)

Kuala Lumpur, Malaysia

[mail@ajaybalachandran.com](mailto:mail@ajaybalachandran.com)

+60 1788 32522

## TECHNICAL SKILLS

**React, Redux, Micro-Frontend, NodeJS, Amazon Web Services, ES6, GraphQL, Jest, Preact, Angular JS (ver 1), PHP, MySQL, Amazon DynamoDB, Amazon S3, Amazon SQS, Amazon SNS, Amazon S3, Amazon SES, AWS Lambda, Sass, Webpack, Gulp, Git, Docker**

## WORK EXPERIENCE

**Technical Lead, Adform (Inscale Asia) - Sep/2018 - present** - Kuala Lumpur, Malaysia

- Leading a team of frontend engineers to develop and manage the framework, tooling and platform that runs the company's new product Adform Flow.
- This platform is designed in such a way that it unifies the development of applications all across Adform and can be even integrated inside the existing legacy ones and follows a Micro-Frontend architecture.
- Lead the migration of the old platform into the new tech stack as well as implemented the main components in the architecture like the Applet Mesh that ties and manages the routing of the application chunks from different teams.
- Developed a custom visual testing framework which ensures that the application is visually consistent. This framework lets the developer create assertions that match against screenshots rather than HTML snapshots like in most unit testing frameworks.
- Migrated the tests from the legacy Karma - Mocha - Chai - Sinon framework/system to Jest framework.

**Technical Lead, HiFX IT & Media Services** - Feb/2012 - June/2018 - Kochi, India

- Worked in various roles over the course of 6 years with varying degree of responsibility ranging from Javascript mobile development to full stack development and user experience engineering.
- Led a team of 6 with experience levels ranging from 0-4.
- Had the opportunity to work on various AWS based solutions for our clients who were always in need for highly reliable and scalable distributed solutions
- Introduced technologies and frameworks like React, Angular (ver. 1), Backbone JS, Phonegap, WebRTC etc. I also introduced the frontend build system based on Gulp.
- Some of my work include :

- Lens(Data Analytics Platform)

Lens is an event-based analytics platform that enables marketers to gain actionable insights on user engagement.

It's features include:

- Data collection API
- Data processing framework
- SDKs for integration
- Gain near-real-time insights using an easy-to-use dashboard

This is an ongoing project and I lead a 7 member subteam within a 15 member team. My team's responsibility is to develop the API that fetches data from the data store (Redshift for one application and BigQuery in the case of another) and the dashboard UI that displays the information in a highly interactive and customisable interface. The entire dashboard and API was designed to be highly reusable so that it is very easy to integrate to any new application.

I was also responsible for the development of 2 Javascript SDKs that are used for collecting data from web applications for this platform. The SDKs were designed with maximum performance and browser compatibility in

mind.

Technologies: Javascript, ReactJS, NodeJS, Amazon RDS(MySQL / Aurora), Amazon ElastiCache, Amazon S3, AWS Lambda, Amazon SES, Amazon Redshift, Amazon EMR, Docker

- Single Sign On System (Shamar)

Our client is a large media company based in Kerala who has a collection of portals with a large number of users. User login and information was split across each of these portals. 'Shamar' based on OpenID Connect protocol was created at HiFX to provide a unified login / authentication system for these services. Shamar was designed and built for scalability. It has 2.3 million users.

Technologies : PHP, Javascript, Amazon DynamoDB, Amazon RDS(MySQL), Amazon SQS, Amazon SNS, Amazon S3, Amazon SES, Docker

- Tapey Tapey

Tapey Tapey is an online classifieds website by our client, which acts as a Customer to Customer market for anything and everything.

I was the lead of a 6 member team in this project. I was responsible for designing the REST APIs as well as the database (MySQL, DynamoDB, ElasticSearch). This was the first project where I introduced AngularJS and frontend build pipeline using Gulp.

Technologies : PHP, Golang, AngularJS, NodeJS, Amazon DynamoDB, Amazon RDS(MySQL/Aurora), Amazon SQS, Amazon SNS, Amazon S3, Amazon SES, AWS Lambda, Amazon ElastiCache, Amazon CloudFront, Docker

- Quickerala

Quickerala.com is a comprehensive website with the largest database of business/services in Kerala. Although me and my team wasn't part of the original development of the project, we were brought in to develop the 'Sitebuilder' module in the website. Sitebuilder is a service offered to premium members of the website where they can easily create their own mini website using an intuitive UI. We designed a system where templates can be added easily by the administrator from the admin control panel and the user can customise these templates with an easy drag and drop interface.

Technologies: Javascript, AngularJS, MySQL, Amazon S3, Amazon Cloudfront

**Software Engineer, Devidia Mober** - *Dec/2010 - Aug/2011* - Kochi, Kerala

→ Developed portals, websites and shopping carts in PHP for various businesses ranging from small to medium based in the United Kingdom

**Other Experiences:**

→ Was a technical reviewer for the book "Web Application Development with Yii 2 and PHP" by Packt Publishers.

→ Active member in Kerala Javascript User Group and have conducted workshops on React in my city.

SIDE PROJECTS

**Malendar:** A simple "New Tab Page" chrome extension developed in Preact that displays the Kollavarsham calendar that is the traditional local calendar in Kerala.

## EDUCATION

**2010 - Diploma in Web Designing and Development by CDit, Kerala**

## CERTIFICATIONS

**AWS Certified Solutions Architect - Associate**

**Linux Foundation OpenJS NodeJS Application Developer**

## LANGUAGES

English, Hindi, Malayalam