CAREER PROFILE

I'm a Technology enthusiast, passionate about building automation and internet of things based systems. I love anything that can be built from scratch and/or hacked to make something new and better. Constantly improving my skill-set and experimenting with newer technologies is what I enjoy most. My other strengths include the ability to design, plan, program, organise and develop innovative solutions. I am a strong open source advocate and strongly believe in sharing and spreading knowledge.

EXPERIENCES

Embedded Systems Developer   Mar 2015 - Aug 2015
Rabitech Technologies Pvt Ltd

mef framework

Backend Developer   Sep 2015 - Feb 2016
Rabitech Technologies Pvt Ltd

mef frameworks

iMed frameworks

Embedded Systems Engineer   Nov 2014 - Feb 2015
Exploride, Inc

Exploride HUD

Athul Raj
Developer

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EDUCATION

B.Tech Computer Science
Cochin University
2012 - 2016

◱ PROJECTS

NaviGo - RT Location Services
A p2p e2e encrypted service for location sharing, chat and voice calls.

Pipeline - DSC based EDMS
A DSC based Freeform EDMS. The service was designed to be freeform so that its deployment could be seamless and would require little or no training of users. It further simplified matters by not requiring a login based user authentication

SRGen - Service Request Generator
Autofill for PDF forms. Most EDMS systems used PDF forms, which often required data to be entered. In many enterprises and institutions, such EDM systems required the same data to be added over and over. SRGen solves this by filling them for the user. Designed to be an optional supplement to Pipeline.

Giller - Webhook Handler
A Node.js based webhook handler for trigger events from version control systems such as GitHub and Bitbucket.

CodEngine - Online Code Compiler
Organisations require developers who can code. There is no better way to check a developer's competence than to check his ability to solve mathematical problems using code. Codengine strives to achieve this.CodEngine also helps evaluate domain knowledge and ability to leverage it.

mef - Mobile Entity Framework
A framework to Track, Ping and receive inputs from mobile entities place on/with persons, assets and employees.
Trackers form the base of the system. Each tracker is connected to a network, of which the Server is a part. Each tracker uses a Last Mile Delivery system to interact with a Mobile Entity. The Tracker is essentially a distributed proxy for the Server and is responsible for delivering the pings, identifying inputs and reporting presence to the server.

LANGUAGES

English(Professional)

Malayalam(Native)

INTERESTS

Internet of Things

Embedded Systems

Automation Systems

Real-time Services

On Demand Services

iMed - The frontend framework for the mef project.
iMed was designed to be the interface for managing and interacting with mobile entities on the network

Allopay - Asynchronous Payment Processor / Gateway
Payment Gateway and Processors are using outdated methods, technologies and protocols. Allopay solves all of these in one go. Allopay is a centralised online platform for users to manage transactions related all accounts they hold in partner banks. All transactions are charged to the platform account and realised using EFTs between accounts. Electonic Standing Institutions and use of Asynchronous authorizations are implemented to enhance the UX and also reduce hassles such as timeouts. The system also provides a proper legal framework for recurring payment processing.

OtoDor - Smart Door Lock
Doors locks are an unavoidable hassle of our lives.OtoDor eases this hassle by creating smart spaces that permit keyless entry using BodyCom technologies and IoT Systems. OtoDor further implements a system of user authentication, authorization and accounting.

Auer - Smart Plug
Hookup any electrical device to the Internet, to control, monitor and manage it. Features include remote access, timed opertaion, surge protection, energy analytics and intelligence.
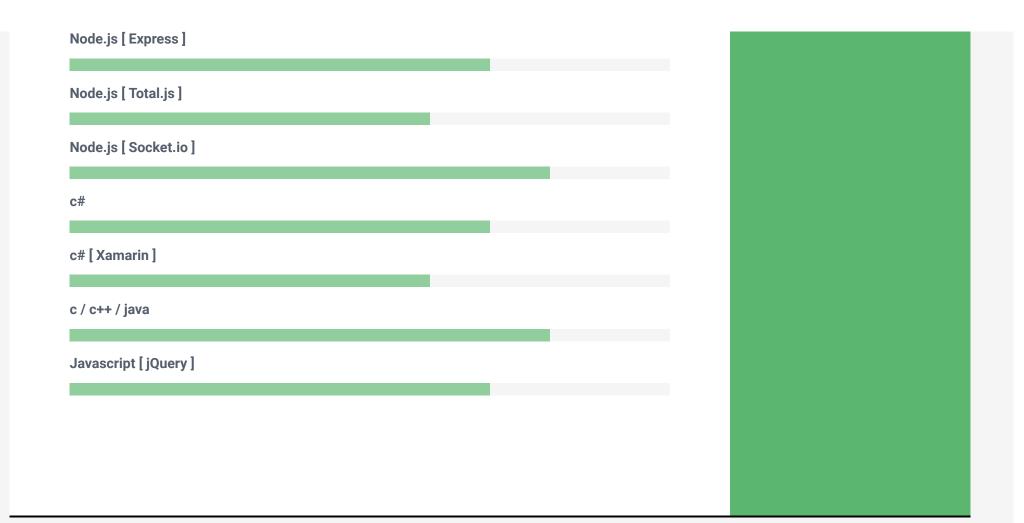
RunACorp - Enterprise Software Services
A suit of SaaS solutions to aid companies in running their businesses. The solutions provided cater to HRM and CRM requirements.

🚀 SKILLS & PROFICIENCY

PHP [Laravel]

PHP

Node.js [Express]

Node.js [Total.js]

Node.js [Socket.io]

c#

c# [Xamarin]

c / c++ / java

Javascript [jQuery]