Kaustav Das Modak | @kaustavdm

Bangalore, India
Phone : +91 74060 10110
Email   : kaustav.dasmodak@gmail.com
Blog   : https://kaustavdm.in
Github : https://github.com/kaustavdm

Native Tongue: Bengali
Also fluent in: English, Hindi

Current Professional Involvement

TokBox
[Developer Relations - Sales] [Bangalore]
Sep 2016 – Present – Outbound developer support to TokBox India customer inquiries and organization/participation in local developer events.

Applait
[Co-founder & CTO] [Bangalore]
Aug 2014 – Present – Responsible for R&D and all technology implementations. Applait's goal is to build commercial offerings around high-performance communication solutions using open technologies.

Highlights:

- Built Finder, a file-search app for Firefox OS. It has been one of the most positively reviewed app for Firefox OS in the Firefox Marketplace. Open-sourced the library behind Finder.
- Built Grouphone, a WebRTC experiment in audio-only group chat that had over 150 users in its alpha testing phase.
- Prototyped ConQ, a high-performance, distributed, web-first conference system.

Technologies used:

Rust, JavaScript, NodeJS, Firefox OS, HTML5, WebRTC, Bash, MongoDB, ZeroMQ, RabbitMQ, PostgreSQL, Openshift, Travis CI.

ThoughtWorks

[Application Developer] [Bangalore]

Nov 2015 – Aug 2016 – Developer in ThoughtWorks Studios on the Gauge team. Gauge is an open-source, extensible, test automation tool written in Go with plugins in multiple languages.

Highlights:

- Helped make the JavaScript language plugin stable by implementing host of required features, including sandboxed execution.
- Helped stabilize HTML reporting plugin.
- Helped architect nightly releases of Gauge core and official language plugins through continuous delivery pipelines.
- Created RPM and DEB builds for Gauge core (stable and nightly).

Technologies used:

JavaScript, NodeJS, Golang, HTML5, Bash, Java, Ruby, Go (CD), Snap CI.

Vyoma Technologies

[Consultant Developer] [Bangalore]

Mar 2015 – May 2015 – Worked on parsing, aggregating and analysing log data for the platform into one comprehensible API.

Technologies used:

NodeJS, MongoDB.

FusionCharts

[Developer Evangelist] [Bangalore]

Nov 2013 – Jul 2014 – Responsible for spreading the word about FusionCharts among developers.

Highlights:

- Built demos and wrote about in-house best practices. Article on choosing a JavaScript documentation generator remains one of the most popular post on the FusionCharts blog.
- Helped setup continuous integration system for the core FusionCharts product.

- Prototyped a documentation infrastructure for speedy testing and deployment of user documentation.

Technologies used:

JavaScript, NodeJS, Bash, HTML5, SVG, Drone CI.

CodeBinders
[Co-founder and Lead Developer] [Kolkata]
Dec 2011 – Oct 2015 – Lead the software development for client projects and responsible for IT infrastructure of the company.

Highlights:

- Worked on web development projects for clients ranging from prominent educational institutions, designers to entrepreneurs.
- Introduced clients to the practices of automated testing, continuous integration and continuous delivery.

Technologies used:

PHP, Drupal, Python, JavaScript, NodeJS, MySQL, PostgreSQL, MongoDB, Bash, HTML5, Jenkins, Travis CI.

Freelance Web Developer
[Kolkata]
Sep 2009 – Dec 2011 – Worked on various client projects in backend and frontend developments, specializing in full-stack applications.

Technologies used:

PHP, Python (Django), JavaScript, MySQL, PostgreSQL.

Freelance Content Writer
[Kolkata]
Jan 2009 – Sep 2009 – Produced content for several web portals.

Open Technology Involvements

Muktakosh
Co-founded Muktakosh. Responsible for driving researches and implementations.

Muktakosh is a non-profit outfit with the mission to research and build exponential technologies, while making innovation as open, transparent, usable and accessible as possible.

Currently building a decentralized communication platform called "*unicorn*", that can bridge different types of APIs and protocols, and can be run on an embedded device or scaled across data-centres.

Mozilla

Focuses on bringing more developer contributions to Mozilla. Mozilla Representative since November, 2013. Has been a contributor to Mozilla's web projects like the Mozilla Developer Network, Mozillians etc.

Co-ordinated Mozilla's presence across major technical/business oriented events including *Kshitij* (IIT Kharagpur) 2014, *MEF Global 2015* etc. Used to coordinate community evangelism activities for Mozilla in India, working closely with the Developer Relations team at Mozilla.

Talks and Trainings

Technology Advocacy

Loves to talk and spread news about exciting technologies. Speaks at events and conducts workshops on Mozilla, Rust, WebRTC, communications and technical evangelism itself. One of the first members of the "TechSpeakers" programme in Mozilla. Has helped enthusiasts with speaking at tech events since then.

Training Highlights

Some of the trainings delivered over the last 2 years include:

- Workshops (Dec 2014 and May 2015) on HTML5 and JavaScript at the Nanyang Technological University, Singapore.
- Sales trainings to Mozilla's device partners in the capacity of Training Lead for the Mobilizers India team, the team that helped Mozilla bring Firefox OS to India.
- Tech Evangelism Workshop in Bangalore to help participants get comfortable with presenting at tech events.

Talk Highlights

Some of the interesting talks delivered over the last year include:

- Mozilla's love for WebRTC
- WebRTC in a decentralized environment
- Rust, cargo and cross-compiling in Rust

Full list of talks and presentations are available on presentations.kaustavdm.in.

Interests and Hobbies

Writing

Writes whenever there is a chance, usually on technology-related topics at kaustavdm.in, and tweets from @kaustavdm. Writing 2 books, "How to know Why?" and "Times Uncertain" self-publishing them through Leanpub.

Humour

Can't stop showing strong bursts of humour at usually undesired situations. Loves puns. Puns back.

Academics

B.Sc Information Technology [2012-13]
Sikkim Manipal University of Distance Education
Studied for two semesters. Left after that to pursue professional interests.

B.A. Philosophy [2009-2012]
Jadavpur University
Studied for five semesters. Liked the subject but not the way it was taught.

--- x ---