

Kaustav Das Modak | @kaustavdm

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Native Tongue: Bengali

Also fluent in: English, Hindi



Current Professional Involvement

ThoughtWorks

[Application Developer] [Bangalore]

Nov 2015 – Present – 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 runner 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 runners 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.

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, one of the most positively reviewed app for Firefox OS in the Firefox Marketplace. Open-sourced the libraries 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.

Past Professional Experience

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

Helping spread the word about Mozilla

Believes in making the web a better place. Loves talking about Mozilla in public events. Mozilla Representative since November, 2013. Has been a contributor to Mozilla's web projects like the Mozilla Developer Network, Mozillians etc. Focuses on bringing more developer contributors in Mozilla.

Co-ordinated Mozilla's presence across major technical/business oriented events including *Kshitij* (IIT Kharagpur) 2014, *MEF Global* 2015 etc.

Community Evangelism

Used to coordinate community evangelism activities for Mozilla in India, working closely with the Developer Relations team at Mozilla. Volunteered as Training Lead for the Mobilizers India team, the team that helped Mozilla bring Firefox OS to India.

One of the first members of the “TechSpeakers” programme in Mozilla. Has helped others with speaking at tech events since then.

Technology Advocacy

Loves to talk and spread news about exciting technologies, specially those about the web. Speaks at events on Mozilla, Rust, WebRTC, communications and technical evangelism itself. Proficient in delivering training in technical topics. Conducted workshops, twice, on HTML5 and JavaScript at the Nanyang Technological University, Singapore.

Interests and Hobbies

Writing

Writes whenever there is a chance, usually on technology-related topics at kaustavdm.in, and tweets from [@kaustavdm](https://twitter.com/kaustavdm). Currently 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. Throw me some humour and you will get it right back.

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.

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