

Abishek Goda

About Me

A self taught, strong technology leader with 17 years of demonstrated experience and accomplishments spanning a wide spectrum of technologies - from hardware design and validation, FPGAs to full stack software development, DevOps and Solution Architectures.

I spend my spare time writing, growing a hydroponic garden, practicing mandala and scratch art, solving NLP problems from Kaggle or helping my kid find specific Lego pieces off his pile.

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Experience

Chief Solutions Architect, QUASR, 2018 - Present

I architected, designed and developed QUASR from scratch. QUASR is a SaaS healthcare governance platform. I handle the full stack of front end libraries and the backend frameworks, database design and integration. I, additionally, am the deployment architect and in-charge of ensuring all our systems are upto date both with QUASR software as well as the infrastructure. I am also responsible for ensuring 99.9% uptime for all our customers while ensuring all their concerns are addressed and patch updated regularly.

Independent Consultant, 2017 - 2018

I consulted on web application platforms and methodologies, setting up frameworks and a build systems, identifying technology stacks. I assist in hiring tech talent by conducting technical assessment for multiple technology stacks including angular, javascript and java platforms at various levels starting from developers to tech leads and senior architect positions.

Architect, Classle Knowledge: 2016 - 2017

I was driving architecture decisions in new products and technologies, was responsible for a team of 5-6 devs, code reviews, API design and UX. I built and integrated a real time chat platform and a virtual lab platform using apache guacamole project.

Angular, PHP, MySQL, Drupal, REST API, AWS - EC2, S3, AppStream, RDS, Ionic2.

Emulation Engineer, Intel Technology Asia Pte Ltd : 2013 - 2016

FPGA Prototyping, Emulation with Palladium, Post Silicon Bring-up and Validation, C based test cases. Key contributor for end-to-end solutions.

Senior Lead Engineer, Qualcomm Atheros : 2009 - 2013

FPGA Prototyping of high speed interfaces, serial interfaces, ethernet and offload interfaces, wireless MAC and baseband modules, validation with low level test cases, creation of a comprehensive wireless test suite in C and Perl building on top of existing technologies.

Project Associate, Dept of EE, IITM : 2006 - 2009

Administration and maintenance of linux desktops in two labs, maintenance and installation of CAD tools and licenses, ensuring availability of tools and libraries, customisation of Knoppix for lab usage.

Programmer Analyst, Cognizant Technology Solutions: 2004 - 2006

Linux customisation, PHP based solutions, Java development, MySQL optimisations, Moodle modules, high availability clusters.

Side Projects

- Re-implemented a fishbone diagram editor using angular framework and published it to npm. <https://github.com/abishek/fishbone-diagram-angular>
- Created an angularJS + flask based application in an attempt to bring online delivery models to hawkers. <https://github.com/abishek/hawkers>
- Created an iOS app for counting foetal movements when my wife was pregnant with our kid.
- Created an offline capable desktop app using electron, angular2 and nodeJS.
- A simple app to curate jokes and memes using google firebase and angular. <https://github.com/abishek/ng-firebase-app>
- Working on a tutorial for modern web development using common lisp.
- Working on a tutorial for implementing machine learning solutions using common lisp.
- A self navigating rover using Arduino and tiny ML to teach my kid a thing or two about the maker culture.

Education

MS by Research, Department of Electrical Engineering

Indian Institute of Technology Madras, Chennai : 2007 - 2010

Research: Application of GPUs for accelerating gate level logic simulations.

Bachelor of Engineering, Electronics and Communication Engineering

University of Madras, Chennai : 2000 - 2004

Courses

Technology

Machine Learning by Andrew Ng, [Coursera](#)

iOS13 Development Essential Training 1, [Lynda](#)

iOS13 Development Essential Training 2, [Lynda](#)

iOS & Swift - Complete iOS App Development Bootcamp, Udemy - In Progress

Certified NLP Master's Program, [AnalyticsVidhya](#) - In Progress

Applied Natural Language Process, [NPTEL](#) - In Progress

Marketing

[Power of Storytelling](#)

[Planning a Long Term Content Strategy](#)

[Video Metrics to Track and How to Analyze Them](#)

[How to Create a Successful Video Marketing Strategy](#)

Writing Articles, [Lynda](#)

Skills, Frameworks & Tools

AWS, Python, Angular, Ionic Framework, Common Lisp, PHP, PostgreSQL, MySQL, Ansible, Packer, Docker, Wordpress, Drupal, Django, git, Linux, Serveless frameworks.

Interests

Hardware tinkering, Python Scripting, Common Lisp, Natural Language Processing, Machine Learning, Design and Usability, Startups and Writing.