

Hassan Zaheer

Software Engineer

Sydney, Australia

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<https://hassan.codes>

Skills

Front-End: TypeScript, Javascript (ES5/ES6 and beyond), NodeJS, CSS, HTML, React, Redux, BackboneJS, AngularJS (1.x), Webpack and modern front-end tooling

Backend: Python, Flask, django, SQL & NoSQL data stores.

DevOps: CI/CD pipelines using AWS, Jenkins/TeamCity and Docker containers

Experience

IRESS / Front-End Engineer

July 2016 - Present, Sydney, Australia

As one of the senior devs in the team, I have helped in getting the old legacy front-end SPA (about 6 years in development) tooling to modern standards. Helped in migration from Babel to TypeScript and incorporating React/Redux in a predominantly BackboneJS application.

Moved the entire CI/CD pipeline from a monolith to micro front-end architecture, helped in the early design of in-house UI toolkit and currently working on introducing a new React based Grid library for complex financial data tables.

Designed and documented on-boarding procedures for new hires, mentoring graduates and coming up with coding guidelines and patterns to help in code reviews.

Tech Stack: TypeScript, BackboneJS, Redux, React, Webpack, HTML, LESS, CSS

Convo / Software Engineer

March 2014 - June 2016, Islamabad, Pakistan.

Was hired as part of the core two-member team which was assigned the task to port and improve the existing production application from Adobe Air to client-side JavaScript.

Major highlights from this job includes: Building a snipping tool for images and video using HTML5 Canvas and building a real-time collaborative document editor using QuillJS.

Our team delivered in record time and its launch was featured in major tech blogs like [TechCrunch](#) and [TNW](#)

Tech Stack: JavaScript, AngularJS (1.x), extensive use of HTML5 Canvas, BackboneJS, Bootstrap, LESS, CSS, NodeJS

Pring / Software Engineer

June 2013 - Feb 2014, Lahore, Pakistan

Worked on "Pring 3.0", a project to revamp and improve current product version. In-charge of web development for front-end and contributed heavily to backend infrastructure.

Tech Stack: Python, Django, JavaScript, jQuery/Ajax, Bootstrap, CSS, MySQL, MongoDB, Cassandra, RabbitMQ

Personal projects & Volunteer work

Bookmark.io / Personal project

In progress

A trello inspired Bookmarks manager to organize links under "cards" or "boards" and be able to share these with your friends/colleagues and get weekly digests and reminders for suggested or saved bookmarks.

Tech Stack: TypeScript, ReactJS, Python, Flask, Postgres, Jenkins and AWS for CI/CD

Personal Finance manager / Personal project

2017

A python / selenium based ANZ scrapper to manage monthly financials, tag purchases in categories, calculate and send the remaining daily budget via SMS.

Tech Stack: Python, Selenium deployed on DigitalOcean VPS

The Nodule Project / Freelance

2016

Lead a team of developers of multiple platforms to deliver software solutions to clients. Leading the development of The Nodule Project - A product which will help out doctors as well as patients in their cancer treatment. The platform was deployed in various hospitals in the US and would manage patient records and provide up to date data for lung cancer research.

Tech Stack: AngularJS, ReactJS, c3.js, NodeJS, ExpressJS, MongoDB, MySQL, AWS

Team Lead - The GIKI Webteam / Volunteer work

2012-2013, <https://www.giki.edu.pk>

Led a team of 20 members (sub-divided into design, development, server admin and photography teams, both on-site and remote) to design, develop and launch our institute's official website. Got inducted in [The GIKI Hall of Fame](#)

Tech Stack: PHP (CodeIgniter & ActiveRecord), MySQL, Bootstrap, HTML5 & Javascript/jQuery (for front-end), CentOS with nginx

Education

GIK Institute / B.S Electronic Engineering

2009 - 2013, Topi, Pakistan

Designed, constructed and implemented a cost-effective Three Dimensional (3D) CNC Printing Machine that uses a digital model, designed in any CAD software to additively manufactured solid real life objects by employing fused deposition modeling technique. It finds applications in the field of rapid prototyping and just-in-time manufacturing.