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Md. Abu Sayeed Mondal

Software Engineer (Full Stack, DevOps And Mobile), Bangladesh

Humans are problem solvers except an engineer is specially trained to do so. I believe bringing experiences from one field to another makes it even greater. I think more than that, the philosophy that gets into us after a long time of training our brain becomes part of us. Both bad and good help. As an obsessive learner to a self taught programmer, who took years of break and came back, I definitely have something that helps my problem solving ability to stand out even in the tough situations.

Technical Skills

I want to be considered for these following skills:

Skill	Years of experience
JavaScript	11 years
Microservices	2 years
React	2 years
Node.js	3 years
AWS	3 years
Python	8 years
Typescript	2 years
Redis	2 years
Next.js	2 years
Express.js	3 years
Redux	2 years
MongoDB	3 years
SQL (MySQL, PostgreSQL)	10 years
Docker, Kubernetes	2 years
System Design	3 years
TDD	3 years

Additional skills:

Django 7 years	SVG 7 years	NGINX 3 years	SPA 3 years
Computer Science Fundamentals 11 years	Unit Testing 7 years	Docker 3 years	Linux 6 years
Rust 1 year	Adobe Photoshop 11 years	Wordpress 11 years	Ruby 8 years
PHP 11 years	Video 6 years	HTML 11 years	CSS 11 years
EC2 3 years	DOM 11 years	Pug 3 years	Jest 2 years
API Integrations 3 years	Third party APIs 9 years	REST/RESTful APIs 3 years	Jira 1 year
Atlassian 1 year	HTML Preprocessors 3 years	Web Sockets 5 years	Git 3 years
UI Design 11 years	React Hooks 2 years	GitHub 10 years	Redux 2 years
Kubernetes 2 years	Microservices 2 years	CircleCI 2 years	MySQL 11 years
PostgreSQL 2 years	Bash 5 years	Critical Thinking 11 years	Travis CI 1 year
Jenkins 2 years	Ansible 1 year	Load Balancing 2 years	RabbitMQ 1 year
Kafka 1 year	SSH 3 years	System Design 1 year	Socket.io 3 years
Shell Scripting 2 years	Websites Performance Optimization 2 years	Next.js 2 years	A/B Testing 1 year
CI/CD 3 years	Problem Solving 3 years	BDD/Behavior-Driven Development 2 years	DevOps 1 year
Integration Testing 1 year	Automation Test Toolkit 1 year	Web Workers 2 years	PWA/Progressive Web Applications 2 years
Object-Oriented Design 6 years	Yarn 1 year	Figma 2 years	Adobe XD 1 year
Postman 3 years	Blender 3 years	Sound and Audio 5 years	React Native 1 year
Designer 11 years	RDBMS 2 years	jQuery 9 years	Django Rest Framework 3 years
Vue.js 1 year	Nuxt.js 1 year	Go 1 year	Ruby on Rails 7 years

Work History

Software Engineer Swinance.com June 2021 - Present 4 mos

--Created UI framework for NEXTJS to handle forms and components.
--Setup a CI/CD pipeline with Jenkins, automated with Ansible
--Automated docker containers in Kubernetes with Skaffold
--Setup TypeScript with Express, Node and React, Next, Redux Toolkit
--Handled forms with React Hook Forms and used React.lazy to load heavy data of form inputs.
--Designed PostgreSQL db in AWS RDBMS
--Used Microservices architecture
--Deployed in AWS
--Tested using Jest, Mocha, Chai, Nightmare.
--Used GIT and SSH
--Load Balanced in AWS, used elastic search, SNS, S3
--Used PostgreSQL DB in event data and live event handling.
--Used Server side rendering react instead of static generation to handle socket and WebRTC events.

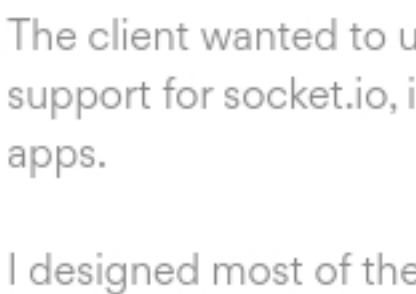
Melakoticket/Swinance.com https://winance.com

Developed A event management system similar to eventbrite. Used third party APIs for payment, tickets download, search. Created ticketing system for events. Google map integration and search based on map and zip. Secure ticketing system. Easy to manage dashboard, analytics for admins. Air and Hotel Booking system.

A beautiful event system was developed within 1 month. For next new months, I have added more features, movie booking, ui, air hotel booking system. Main site will be melakoticket.com.

Redis	A/B Testing	React Native	CSS	MongoDB	Web Sockets	Load Balancing
NGINX	Kubernetes	Node.js	JavaScript	SSH	Ansible	Docker
PostgreSQL	System Design	Typescript	Third party APIs	Next.js	AWS	HTML
Express.js	UI Design	React	TDD/Test-Driven De...			

Screenshots (1)



Software Engineer U2cam, Madrid, Spain May 2021 - July 2021 2 mos

I was the only engineer and designer and everything. This project is about building a social media and live streaming platform. Similar to Facebook, Web, Android and IOS.

The client wanted to use codecanyon theme called Wowonder. Since in PHP there is no support for socket.io, instead I suggested using MERN stack and React Native for mobile apps.

I designed most of the DB and developed the user, post and react system.

--Used DERN stack with DynamoDB
--Next, React Hooks and Redux integration in frontend
--Setup CircleCI CI/CD pipeline, Docker, Kubernetes, Ansible
--Microservices architecture
--Used Rust Actix services for video editing for 'Stories Feed'
--Live streaming services with Node express
--TypeScript, Express setup
--Redis cache
--AWS load balancing setup
--CLI tool to check analytics
--Setup TDD

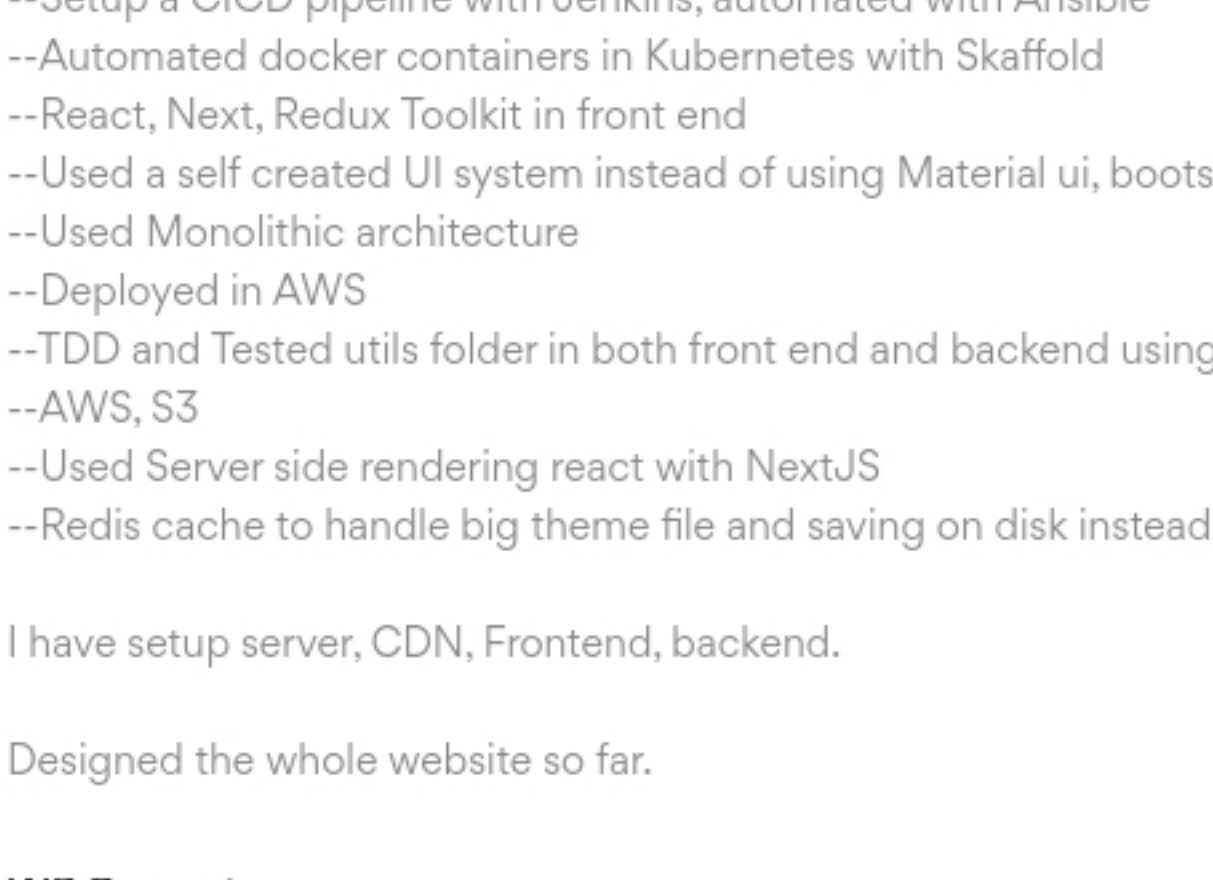
U2cam u2cam.abusayeed.me

A complete social media and live streaming platform. Backend, web, ios and android app. This is a social media based on streaming, the most important feature. It has FB like posts, group, page, messaging, reacting and ad system. Socket, JavaScript, Audio, video call, Live Streaming, Messaging system. Social media system of posts, friends and reactions. https://u2cam.abusayeed.me (ask me for credential, sign up is disabled)

I really love working on this project. Done Devops setup, project planning, product design, cost estimate. Then did the development part of User, Post, React services.

Node.js	JavaScript	CSS	React Native	Unit Testing	Load Balancing	DevOps
CI/CD	Rust	MongoDB	Ansible	Typescript	Kubernetes	Docker
NGINX	Socket.io	Video	TDD/Test-Driven De...	HTML	Next.js	SVG
Linux	CircleCI	React Hooks	UI Design	Redux	Express.js	AWS
React						

Screenshots (3)



Software Engineer Mohammad Shah October 2020 - Present 1 yrs

Literally, I gave him a ultimate fast NextJS front that they could check out.

--TypeScript NodeJS Express backend.
--I have created the data models with MongoDB and mongoose ORM.
--Setup a CI/CD pipeline with Jenkins, automated with Ansible
--Automated docker containers in Kubernetes with Skaffold
--React, Next, Redux Toolkit in front end
--Used a self created UI system instead of using Material ui, bootstrap or chakra ui.
--Used Monolithic architecture
--Deployed in AWS
--TDD and Tested utils folder in both front end and backend using Jest
--AWS, S3
--Used Server side rendering react with NextJS
--Redis cache to handle big theme file and saving on disk instead of memory.

I have setup server, CDN, Frontend, backend.

Designed the whole website so far.

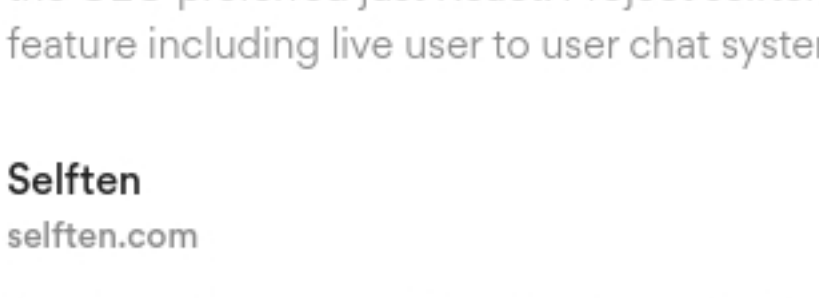
WP Converter towp.abusayeed.me

Users can upload a zipped HTML theme. They can edit almost everything of the theme with right click options and can convert the theme to a WordPress Theme. I have setup AWS, ec2, s3 etc to a Nginx Ubuntu server that runs with PM2. Designed the Database with MongoDB Atlas. Developed a back-end system with Node.js, Express.js that runs with minimal code. There was a problem, allowing script injection on cross platform frame. I couldn't solve it as no one could. So, created a function to download all the files when HTTP request comes to the route and deleted again once socket connection breaks. Right now, I am rewriting the whole thing with TypeScript, adding TDD for both frontend and backend and dockerize them. We are gonna add Redis if possible for the theme file download from S3. Designed UI based on my boilerplate.

I personally glued all the technology together for the first time. Since I planned the UI structure of the theme editing page, the client is happy. Before me, every engineer said to him, XSS on frame is a no. No. With the editing system the client can edit, delete and change design, fonts. Move DOM nodes in and out of parent elements. Almost everything is editable. For login to the site, please ask me for credentials as registration isn't allowed now.

Typescript	Express.js	TDD/Test-Driven De...	CSS	NGINX	Docker	Redis	EC2
JavaScript	MongoDB	DevOps	PHP	Linux	Node.js	Git	Next.js
AWS	HTML	DOM	WordPress	Postman	SVG	SPA	React
React Hooks							

Screenshots (2)



Full Stack Developer Neerlab, Khulna October 2020 - December 2020 2 mos

As a full stack developer I developed a topup system, chatting system, notifications system and huge admin panel. Also, a integrated eCommerce with it.

--Node, Express, Adonis, React, MongoDB, Redis
--Product design and DD modeling
--Used MongoDB atlas and mongoose package for schema and queries
--OTP system
--A subsystem of frontend with Vue, Nuxt
--Third party API integration for Diamond, Token, Credit purchasing from Free Fire, PubG etc.
--Local mobile payment setup.
--UI designed
--Performance optimization on React and MongoDB caching with Indexing
--Digital Ocean deployment
--CI/CD management of a monolithic server with two more developers

Before that, the site was developed with Adonis, MySQL and Nuxt. I wanted to use Next but the CEO preferred just React. Project seften.com got cancelled after I developed around 13 feature including live user to user chat system and dashboard.

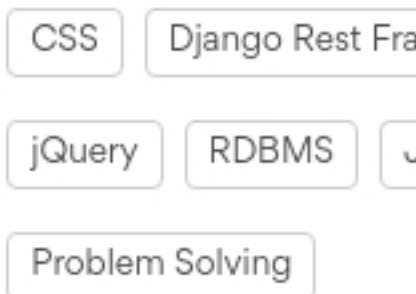
Seften seften.com

Developed the topup, live chatting and eCommerce system for seften.com. Socket real time messaging system to any user. Real time notifications system. Topup using APIs of free fire, pubg. Topup ordering and managing system. Local payment system. MomentuJS to easy outcome of expected time form. OTP verification

It got cancelled because the main client and Neerlab CEO couldn't keep up with the contract. I was paid later. At some point the client was able handle his 200-300 orders everyday very easily with the developed system. Before he was manually performing every task, payments, topup, calling on phone etc.

React	Node.js	Linux	REST/RESTful APIs	NGINX	Express.js	Nuxt.js	UI Design
JavaScript	MongoDB	EC2	Vue.js	AWS	Web Sockets	Git	CI/CD

Screenshots (1)



Web Developer Kelvin Tay June 2020 - June 2020 1 mos

The project was about to cross deadline when I join came in. There was a huge JavaScript worked needed to be done.

Joined as a JavaScript developer to make a complex form with DOM in a Python, Django project. The form has 6-7 layer of editing, creating and deleting.

--Used MySQL and RDBMS DB with jquery to Ajax call the DB from template system.
--Used Docker, Unit testing
--AWS ec2, Jira, Atlassian for DevOps
--Redis for cache

Impressed the client by completing the work before 12 days of estimation.

I was able to build that form as same as the designer provided and collaborated with another Django backend engineer remotely.

Kinjo Marketplace https://www.facebook.com/psayeed1990/videos/7920440531440991

Developed the most complex page of the kinjo marketplace where they used Django and it's template system. Developed that multilayered form with vanilla JS that should never be done with just vanilla DOM.

It was bringing MYSQL data filling the form in load, then let the user edit, delete, create new form field and new sections in multiple levels.

The form was successfully done. You can see the form in this video - https://www.facebook.com/psayeed1990/videos/7920440531440991

CSS	Django Rest Frame...	Django	Unit Testing	Docker	CI/CD	Python	Jira
jQuery	RDBMS	JavaScript	HTML	Jenkins	Atlassian	MySQL	DOM
AWS	Problem Solving						

NodeJS Developer HoneyWell Restaurant May 2020 - May 2020 1 mos

--Developed an appointment system within 18 days. Crazy date manipulations without moment.js.

--Used NodeJS, EJS, JavaScript, Express, JWT, Session
--Created a beautiful design for a restaurant.
--Heavy DOM manipulations
--Performance optimization and SEO ready
--Used AWS, EC2
--Designed the product, planned out DB schema for a monolithic project
--Basic Devops management setup
--Designed on the fly with CSS

Designed and created a beautiful system for table and hour booking for this restaurant. I have this code on Github. Site never started because restaurant never started. I really liked the website application and it is fully developed for an appointment system.

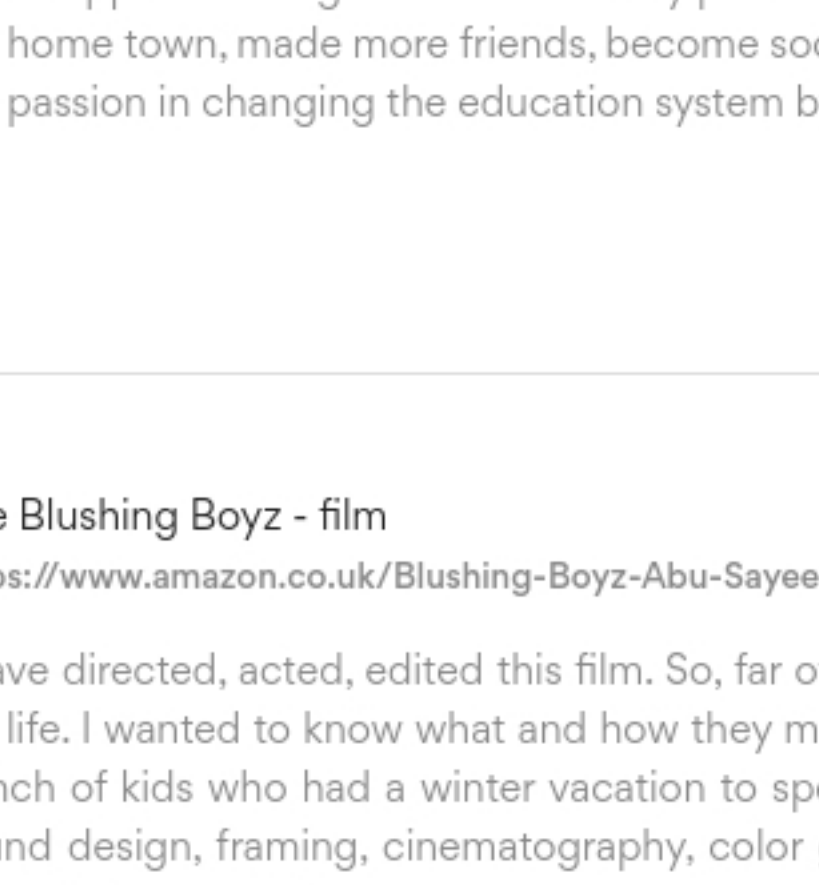
HoneyWell Restaurant https://github.com/psayeed1990/honey_well_restaurant

Created date time management from scratch, no momentJS. An admin dashboard for adding, removing tables, open hours, open date, an user management system. A order management system to mark orders as approved, cancelled, served, special etc. Searching users and orders by id, name, date, phone etc. A frontend with PUG where user could select date, hour and tables that were selected from admin Booked table, hour and date wouldn't show up in the form.

A beautiful design with a great admin dashboard. Client was impressed by my idea and product design solution.

CSS	JavaScript	NGINX	Pug	HTML	Linux	Node.js	UI Design
Express.js	MongoDB	Designer	HTML Preprocessors	AWS			

Screenshots (2)



Software Engineer Hollywood Cinema, Punch After The Fact February 2020 - March 2020 1 mos

This is a Hollywood cinema about a boy learning to program a 3D globe. They needed a software engineer for both consultation and for creating the 3D globe in the browser that rotates like earth. At the end of the film, the boy shouts, 'Dad, I made an earth! Shooting stopped because of the pandemic. That's what they director said to me so far. I have already provided the globe.

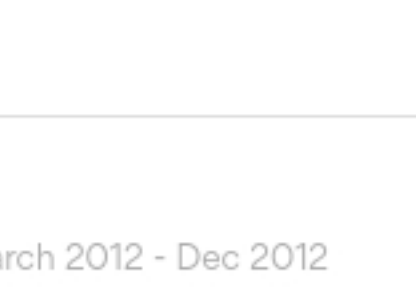
3D Globe and Consulting https://www.imdb.com/name/nm11566510/?ref=tttte_fc_cr11

A rotating 3D globe with WebGL. There was a research I found on internet where they were ab bend it for the use as the surface of the earth using WebGL. I

I learned a little WebGL. Learned how awesome things are made using research that others people do and finally I got a credit on IMDb.

GitHub	JavaScript
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Screenshots (1)



Web Developer Freelancing December 2011 - May 2015 3 yrs 5 mos

I worked on 80+ projects on freelancing companies. All in WordPress. Some in plain JavaScript and some in basic django and rails. I had 4.91 feedback out of 63 projects.

--Used PHP, JavaScript, Python, Django, Ruby on Rails, Magento, WordPress in many websites.

--Some notable work I remember,
---alisterave.com
---sightcall.com
---Sayenko Design
---Django Junkie,
---Calleencordero.com
---Wasserman Media
---MeganRapinoe.com
---Beer Garden Furniture, eCommerce - Germany
---Jason King, Forensic - Melbourne, Australia
---Capitol Hill Initiative

I stopped working in 2015 to find my passion. In search of my passion, I stayed years in my home town, made more friends, become social and again started programming. I found my passion in changing the education system by the way.

Side Projects

The Blushing Boyz - film https://www.amazon.co.uk/Blushing-Boyz-Abu-Sayeed/dp/B07WFWHCJT

I have directed, acted, edited this film. So, far of course one of the greatest experience of my life. I wanted to know what and how they make films. I always wondered. There were a bunch of kids who had a winter vacation to spend altogether to act in this film. I learned sound design, framing, cinematography, color grading, making kids act and many more. Hope, it stays green forever.

Sound and Audio	Adobe Audition	Adobe Premiere	Story Telling	Cinematography
Management	Acting	Marketing		

Book - Understanding Learning https://docs.google.com/document/d/1eSRMRrkMTMZ_U1ynBVZikWakRevaTYZ9s9CKp7/1/edit?usp=sharing

Since, psychology and neuroscience has a lot of understanding how human learns but schools and everyone btw do not know what is learning. I think more than a scientific approach we need a philosophical approach to reach people. With that in mind, I am going deep with how human learns. Deep in our bias and generalizations. If you want to read, it is a weird book and I hope a few edits will make it look good.

Google Apps	How To Learn	Teaching	Writing	Research	Philosophy	Psychology
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Photography https://www.facebook.com/psayeed1990/

I don't know how but started phone photography. I love taking photos of faces and landscapes. I like a good framing. I think every face looks good if you frame it good.

Adobe Photoshop

Education

March 2012 - Dec 2012

Harvard Extension - CS50 Computer Science (No Certificate)

Nov 2011 - Jan 2012

Free Code Camp Algorithms, Frontend And Backend Certificate

(Unspecified Time)

Jonas Schmedtmann, Stephen Grider, Zero To Mastery Bootcamps / Courses

January 2011 - April 2011

Azizul Haque College, National University Finance, Undergraduate (Dropout)

25th Position In The Admission Test