



Gurpreet Singh Dhalla

PRODUCT ENGINEER

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ABOUT ME

I'm a JavaScript web application/MERN stack developer. My key specialities are in Sails.js, Express.js, React.js, MongoDB and SQL (MySQL and Postgres), TDD and CI/CD tools where React and Node are my personal favorite.

As a software engineer since the last two years I have had great work experience working within startups and IT companies.



MY SKILLSET

PROGRAMMING LANGUAGES

JavaScript, Python, Dart

FRONT-END

HTML, CSS/(SCSS/SASS), JavaScript, ECMAScript, jQuery, React, Redux, Chart.js, Angular

BACK-END

Express.js, Sails.js(MVC), Node.js

DATABASES

MySQL, MariaDB, PostgreSQL, MongoDB, Redis, Waterline, Mongoose(ODM),

BUNDLING TOOLS

Webpack, Gulp

API

Rest, Soap

SOCKET PROGRAMMING

Socket.io

VERSION CONTROL SYSTEM

Git

DEVOPS

AWS EC2, Heroku, Netlify, Nginx, Apache, Jenkins, Travis

SCRAPPING

Puppeteer, Cheerio, Playwright

TDD

Jest, Puppeteer, Mocha, Cypress, Playwright

CODE MANAGEMENT

GitHub, Bitbucket

CONTAINERS

Docker

Work Experience

AS AN ENGINEER

SOFTWARE ENGINEER
MAY 2020 – PRESENT (1 YR)



Hosted and configured Jitsi meet server, and it's component like Jicofo, Jitsi Videobridge. Automated user management using a dummy express.js with the help of "child_process" module and configuring XMPP with database(MySQL/Postgres). Developed persistent meeting rooms functionality in Jisti.

Deployment of backend and frontend application to AWS. Dockerization of applications and deployment in different environments. Configured web servers like nginx for reverse proxy and load balancing. SSL installation with automatic renewal using nginx.

Worked on an Electron based desktop application for cloud file syncing. Also, Worked on third party file sharing like SmartVault, Dropbox, Google Drive and Onedrive integration into our Vault system.

Web scrapping from the completely dynamic websites using Puppeteer and Cheerio.

Working an Outlook web add-in using Office.js and React.js. OAuth2.0 integration for both Google and Office 365 the add-in application using dialog api.

Working on a Gmail add-on application using Google script.

Working on a modular and scalable Attendance management application.

SOFTWARE ENGINEER
OCT 2019 – MAR 2020 (6 MOS)



Responsible for development of CRM application using MVC architecture.

Implemented ACL for the role based access for MVC application and API oriented application.

Enlightened Jenkins as helped on creating pipelines.

Worked on Postgres SQL and waterline ORM.

Created database design and associations b/w the models for well performant application.

Helped in finding bugs and fixing the same in legacy code base of applications.

Erudite Cypress for e2e testing of application and written several test cases using the same.

WEB DEVELOPER
JUN 2018 – SEP 2019 (1 YR 4 MOS)

TROOKING

Designed several database designs using crow foot relations diagram.

Written backend applications and implemented Redis data caching and TDD.

Worked with third party API's and managed data caching and data mapping.

Deployed applications on AWS EC2.

Worked on AWS S3 for file uploading like images and PDF files.

SSL installation on both frontend(both apache and nginx) and backend (express).