

Palash Jain

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Education

Master's in Information Technologies and Management, Illinois Institute of Technologies, Chicago, IL
Bachelor's in Information Science and Engineering, SJB Institute of Technology, Bangalore, India

GPA: 3.8/4

May 2020
June 2018

Technical Skills

Web Technologies	HTML, CSS, XML, Bootstrap, AJAX, jQuery, Bower, Grunt, Gulp, LESS, SASS, JSON
Frameworks	React Js, Angular, Angular.JS, Node.JS, D3.JS , Webpack, Babel
Programming Languages	JavaScript, TypeScript, Python, Java
Methodologies	Agile, Waterfall, TDD
Debugging Tools/Testing	Firebug, Bugzilla, Mocha
Build Tools/Repository	GIT, TFS, SVN, Jenkins
Operating Systems	Windows, Linux, Mac OS X
Databases	Oracle, MongoDB, SQL Server, MS Access, MySQL

Work Experience

Illinois Institute of Technologies, Chicago, IL

May 2019 to May 2020

Teaching Assistant for Rich Internet Applications and Open Source Programming

- Involved designing in WebPages using **HTML5, CSS3, JavaScript, Bootstrap, SASS, LESS, Webpack, Babel, React JS**.
- Also arranged weekly sessions to clarify doubts and **increase learning speed by 60%** for more than 60 students.
- Teach **Advanced Python** course to more than 120 students and assist them to develop projects and assignment which **improved learning speed by 60%** by developing Study Material, Executable Programs and Arranging open doubt clearing Session.

Freight Management Inc., Glendale Heights, IL

June 2019 to Aug 2019

Full Stack Developer-Summer Intern

- Develop software for Tariff Management System using **Python script, Pandas, pyodbc**, to perform data cleaning and transformation of invoice data and store it in a secure database server.
- Design and develop a database using DBMS principles to store the data from the Tariff Management System using **SQL server 2017**.
- Design the user experience and user interface Tinker to improve the data entry experience and **improve the business workflow efficiency by 80% and reduce cost by \$2000**.
- Coordinated** with Data Analyst , Technical Head to evaluate and improve software and hardware interfaces.
- Reviewed code, debugged problems and corrected issues.

SAP, Bangalore, India

Mar 2017 to April 2018

Software Test Engineer - Performance Testing and Quality Analyst

- Perform performance testing using benchmark tools like **HP LoadRunner, Jenkins** which simulates VuGen scripts which empowers testing.
- Initiate high-level, low-level design documents and develop **UI automation** modules based on requirements independently and in- teams.
- Integrated **GIT** into **Jenkins** to automate the code check-out process.
- Designed, executed and maintained automated test scripts for in-project deployment.
- Assessed application patches and updates at development, testing and quality assurance stages.
- Developed and executed QA test cases, scripts and procedures for automated software maintenance.
- Worked in **Agile** environment, had attended biweekly sprints and daily scrum.

ZesTech, Bangalore, India

Sept 2016 to Dec 2016

Technical Intern in PSET Programming Skills Enhancement Training program

- In PSET Programming Skills Enhancement Training program Collaborate and assist in developing projects for Students enrolled in undergraduate program to gain more hands-on experience in programming languages such as **C, Java, HTML, CSS, JavaScript, Git**.
- Maintained atmosphere of academic learning and advancement to facilitate learning and development of critical thinking skills.
- Prepared lessons according to course outline to convey all required material and deepen student understanding of subject matter.

Personal Project Experience

Corona Tracker (<https://newcoronatracker.netlify.app/>)

April 2020 – May 2020

- Develop an intuitive and user-friendly website for live tracking of COVID-19 cases in 108 countries. Develop using **Redux** and **ReactJS components** to call the **Mathdroid API** and display the data in a graphical format. Mobile Responsive design the user interface using **MaterialUI**. Create repository for source control using **Git** and deploy the application on **Netlify**. Tested application using **Jest** and **Enzyme**.
 - Making changes to the existing web applications and creating new components using React JS
 - Built a single page application using the building blocks **pure components, carousels, forms, routers**, etc.
 - Leveraged **ReactJS** resources for all data access, encapsulating **URLs** and standardizing data access interfaces.
 - Implemented Responsive Web Design using **Flexbox, HTML5, SCSS**
 - Designed and implemented server-side **RESTful** web services using **Node JS** and handled communications to the client side (React JS) using **JSON**.
 - Documented all technical specifications and testing methods for Corona Tracker project for future reference and use in other assignments.
https://github.com/palashjain2801/Corona_website_react
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Cloud Native Application <https://github.com/illinoistech-itm/pjain24/tree/master/ITMO-544/MP2>

Aug 2019 – Dec 2019

- Developed Imaging Processing Application and deployed using 3 tier cloud native application architecture using various **Amazon Cloud Services** such as Auto-Scaling, **Cloud based database(Dynamo DB)**, **SNS** and Lambda function to process raw image and storing processed image in different S3 Bucket.
 - Planned, implemented and integrated updated system-oriented projects.
 - Analyzed requirements and implemented systems to deliver comprehensive system development life cycle solutions.
 - Studied network security logs to identify and eliminate possible outside and internal threats.
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Digicart

Aug 2019 – Dec 2019

- Used agile practices and Test Driven Development techniques to provide reliable, working software early and often.
 - Developed responsive client-side application to integrate with server side using **HTML5, JavaScript, Angular JS, Node.js** and **Bootstrap**.
 - Develop a robust and dynamic website to display information fetched from **Datafiniti** and **Twitter APIs** in a clean and user-friendly way so that the users can make informed decisions when shopping for popular gadgets. This project deals with the development of the object-oriented enterprise web application using **AJAX, Servlets, JSP, HTTP protocol, XML/HTML, Sessions/Cookies, JDBC, and Multi-threading**.
 - Used **AJAX** to reduce the network load and update only the certain components of the website.
 - Developing build and deployment scripts using **MAVEN** as build tool in **Jenkins** to move from one environment to other environments.
 - Debugged the application using Chrome **Inspector, Firebug, IE Tester** and many other debugging tools.
 - Managed both backend and frontend aspects of the development process.
 - Developed **Model View Control (MVC)** framework that served as cornerstone for highly successful web applications strategy.
 - Produced high-impact, user-friendly websites that accomplished all business goals.
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City Planner Website Using Yelp API (<https://github.com/palashjain2801/CityPlannerWebSite>)

Aug 2018 – Dec 2018

- Develop a web application that leverages **Yelp APIs** to allow users to build efficient trip itineraries based on their inputs and preferences. **HTML5, Bootstrap, JavaScript, Node JS, Express, MongoDB, Jest**, pug, OpenLayers Maps were used to develop itineraries trip.
 - Coded user-customizable applications to convert raw data from design engine to easily understandable graphical formats.
 - Validated code for proper structuring, security and compatibility with different browsers, devices or operating systems.
 - Determined project technical needs and coordinated specifications and requirements.
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