PJ

Palash Jain
Web / Software Developer

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🌐 https://palashjain2801.github.io/Palash_Portfolio-/

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WORK EXPERIENCE

Illinois Institute of Technology
(August 2019 - May 2020)

Teaching Assistant for Rich Internet Applications and Open Source Programming

• Conducted weekly recitation for the course, Web Application Development, and covered topics like HTML, CSS, JavaScript, and NodeJS.
• Designed Projects using Public API for a gallery of images using ReactJS concepts like lifecycle events, components, state, and props, JSX, ES6 Modules, and webpack.
• Developed and redesigned assignment modules for data-centric training courses on data visualization principles using Matplotlib and Seaborn.
• Teach Advanced Python and Web Development course to more than 120 students and assist them to develop projects and assignments which improved learning speed by 60% by developing Study Material, Executable Programs, and Arranging open doubt clearing Session.

Freight Management Inc.
(June 2019 - August 2019)

Full Stack Developer-Summer Intern

• Developed software "Tariff Management System" using Python (using pandas, NumPy, and Django library) to improve the data review experience and improve the business workflow efficiency by 80% and reduce cost by $2000.
• Built and developed a database to store the required data in SQL server 2017 using the DBMS concept.
• Implemented front end development using CSS, HTML5, JavaScript, AJAX control for achieving uniformity through all the Web pages
• Improved the user interface by performing unit and integration testing on the software to ensure optimum performance in the company's revenue

SAP
(March 2017 - April 2018)

Performance Testing and Quality Assurance Engineer

• Helped to improve SAP product efficiency by 20% using benchmark tools such as HP LoadRunner, Jenkins, by "Performance Testing".
• Initiate high-level, low-level design documents, and develop UI automation modules based on requirements.
• Initiated high-level, low-level design documents and developed UI automation (using Java, J2EE, SAP-UI, Selenium) modules based on requirements independently and in- teams.
• Developed and executed QA test cases, including HTML5, JavaScript, CSS and languages for client-side performance testing, SQL and database query tools for any DB optimization techniques (DB Tuning).
• Worked in an Agile environment had attended biweekly sprints and daily scrum

PROJECTS

Corona Tracker
April 2020

https://palashjain2801.github.io/Corona_website_react/#/

• Develop an intuitive and user-friendly Mobile Optimized 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.
• Use the building blocks to create a single page application using pure components, carousels, forms, routers, etc.
• React. JS tools are leveraged for all data access, encapsulating URLs, and standardizing interfaces for data access.
• 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 the Corona Tracker project for future reference and use in other assignments.
https://github.com/palashjain2801/Corona_website_react

Amazon Clone
August 2020

https://palashjain2801.github.io/Amazon-Clone/

• Using React JS, Redux, Node JS, Firebase, and Stripe API, Amazon-Clone was developed. Front End Users use NodeJS, Firebase, and Stripe APIs for ReactJS, Redux, JavaScript, SASS, HTML, and Back End.
• Amazon-Clone web Application is successfully able to replicate most of the features of amazon.com, including Create Account, Login, Cart, Payment, etc.
• Documentation and Technical specifications are specified at **https://github.com/palashjain2801/Amazon-Clone**

Cloud-Native Application
August 2019

https://github.com/illinoistech-itm/pjain24/tree/master/ITMO-544/MP2

• Developed Imaging Processing Application and deployed using 3 tire cloud-native application architecture using various Amazon Cloud Services (AWS) such as Auto-Scaling, EC2, RDS, Cloud-based database(Dynamo DB), SNS and Lambda function to process raw image and storing the 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.

EDUCATION

Illinois Institute of Technology
(August 2018 - May 2020)

Master's Master's in Information Technologies and Management

3.8

SJB Institute of Technology
(June 2012 - June 2016)

Bachelor's Bachelor's in Information Science and Engineering

3.5

SKILLS

Programming Languages :
Python 3, Java, J2EE, JavaScript

Web Technologies:
HTML, CSS, XML, Bootstrap, AJAX, jQuery , SASS, JSON

Frameworks:
React Js, Node.JS, Redux

Debugging Tools/Testing
Load Runner 9.0, Selenium, JIRA Dashboard, Appium

Build Tools/Repository
GIT, TFS, SVN, Jenkins

Databases
Oracle, MongoDB, SQL Server, MS Access, MySQL