

KRISHNA PANJIYAR

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EDUCATION

B.S. Software Engineering, San Jose State University, CA

August 2020 - December 2022

Data Structures and Algorithms (Java), Software Engineering (Agile/Scrum Methodology), Object Oriented Programming (Java), Database Management Systems (SQL), Advanced Python Programming, Operating Systems (C), Project Management, Blockchain (Solidity), Computer Networks (OSI Layer and socket programming), Human Computer Interaction (UI/UX Design), Computer Network Management.

EXPERIENCE

Software Engineer Intern, Neuroleap Corp.

April 2021-September 2022

- Configured the VPS with Control Panel for the management, deployment, and modification of Websites.
- Created several websites for the Neuroleap Corp. and launched it to the web.
- Installed and configured Webmin control panel to constantly monitor network bandwidth, memory usage and system status.
- Built and deployed Docker containers to break up the monolithic application into microservices, improving developer workflow, increasing scalability, and optimizing speed.
- Created and configured company emails through SMTP mail server for the separate emails for each website and each member in each separate department.
- Created the firewall for the server using the Iptables and UFW layers for only authorized users to access the server.
- Created and maintained test plans and test reports.
- Conducted both manual and automated testing on various applications.
- Collaborated with cross-functional teams to identify and resolve defects.
- Participated in daily stand-up meetings and weekly sprint planning meetings.
- Utilized JIRA to track defects and monitor progress.

MATH Tutor, MATH JAM, Learning Center Technologies, Canada College

January 2019 – July 2020

- Tutored Calculus I, II & III, Linear Algebra, Differential Equations to a group of more than 5 students.
- Worked with two professors for making worksheets and tasks for the students to understand different concepts in mathematics.

Student Assistant, Learning Center Technologies, Canada College

January 2018 – July 2020

- Managed Database of all the Log-in stations, to track the highest traffic time of students and their average spending hours in the learning center.
- Stored, managed, analyzed and created reports of all the documents stored in the Google Drive, to present in the student services and Planning council.

PROJECTS

Full Stack Dynamic E-Commerce Website

HTML, CSS, JavaScript, MySQL, PHP, Nginx, Oracle Cloud, Git, Agile Methodology

- Participated in Agile practices with 5 other teammates to create an e-commerce website
- Utilized JavaScript and PHP for the backend logic and MySQL to store and maintain data in a database.
- Hosted the website on the Oracle cloud and used Nginx as a load balancer for maintaining the traffic.
- Link: <https://github.com/krishnapanjiyar/e-commerce-ofs>

Insurance Company Database

SQL, SQLite, Git

- Designed and developed database for insurance company
- Created ER Models, identified functional dependencies and constraints
- Normalized database to BCNF and 3NF forms to minimize redundancy and ensure storage of related data only
- Link: <https://github.com/krishnapanjiyar/Insurance-Company-Database>

TECHNICAL SKILLS

Languages and technologies: JavaScript, Java, Python, C, Ruby, Bash, Go

Front end: React.js, Angular, TypeScript, HTML5, CSS3, UI Design

Back end: Node.js, Express, Java Spring Boot, RESTful API

Database: SQL (MySQL, SQLite), MongoDB

Other Key skills: Git, Agile, Docker, GraphQL, REST principles, Cisco Packet Tracer, GNS3, Cybersecurity, Figma

Testing: Selenium, Cypress, Jest, Postman

Machine Learning: pandas, numpy, Jupyter notebook, Applied Probability and Statistics