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KISHAN LAL L S

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EDUCATION

- **VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY, B.TECH IT** (2017 - 2021)
 - Completed my B.Tech (IT) degree with a Cumulative Grade Point Average of **8.5**
- **THIAGARAJAR MODEL HIGHER SECONDARY SCHOOL**
 - High School Leaving Certificate (HSLC) - 95.25% (1143/1200) (2017)
 - Secondary School Leaving Certificate (SSLC) - 96.40% (483/500) (2015)

EXPERIENCE

SENIOR SOFTWARE ENGINEER

PRESIDIO

March 2023 - Present

1. Played a key role in enabling virtual healthcare services for patients, improving access to medical care.
2. Facilitated patient convenience by implementing a lab kit request feature, allowing patients to take samples using the kit and book virtual appointments with clinicians.
3. Streamlined the virtual appointment booking workflow by developing REST APIs, enhancing the efficiency of the appointment booking process.
4. Developed a PDF generation module that automated the process of generating medical reports, improving accuracy and efficiency in medical reporting.

SOFTWARE ENGINEER

PRESIDIO

October 2021 - March 2023 (1 Year 6 months)

1. Successfully implemented OAuth2 Integration for SMART on FHIR Apps, enhancing application security.
2. Developed and implemented OAuth2 Authorization Code with PCKE workflow for all SMART on FHIR Apps, ensuring the privacy and confidentiality of user data.
3. Designed and integrated storage and revocation of consents for users of SMART on FHIR Apps, enhancing user experience and security.
4. Developed and implemented SMART on FHIR Authorization flows that comply with ONC Inferno Standards, ensuring adherence to regulatory requirements.
5. Recognized with a Spot Award for outstanding contributions to the project, creating a significant impact.

ASSOCIATE SOFTWARE ENGINEER

PRESIDIO

August 2021 - October 2021 (3 months)

1. Designed and implemented an automation framework for end-to-end behavior-driven testing using the Protractor test framework.
2. Contributed to an identity management platform to ensure secure access and authorization for employees, clients, partners, developers, and patients, using Ping Identity.
3. Implemented a custom SSO page that supports both internal and external user authentication, enhancing system security.
4. Developed APIs to facilitate the seamless migration of users from a third-party IDP to our internal directory (PingDirectory)
5. Recognized with a Spot Award for outstanding contributions to the project, creating a significant impact.

INTERN

PRESIDIO

July 2020 - July 2021 (1 Year)

1. Collaborated with a team of 2 developers to create a comprehensive Project Management System.
2. Designed the architecture diagram for the use case to ensure scalability and reliability.
3. Developed a microservice using Serverless (Node.js) and Sequelize.js ORM for seamless application performance.
4. Built REST APIs with Spring Boot to enhance system functionality.
5. Integrated AWS RDS into the application to ensure efficient data storage and management.
6. Conducted Unit Tests using Jest for Node.js and Junit for Spring Boot to improve code quality.
7. Designed UI components for specific modules using Angular 10 for a user-friendly interface.
8. Established a CI/CD pipeline for Serverless using AWS CodeBuild to automate deployment processes.
9. Configured a CloudWatch Event rule that uses AWS SNS to email users about the pipeline build status.

WEB DEVELOPER, INTERN

DECODR TECHNOLOGIES

APRIL 2020 - MAY 2020 (2 MONTHS)

Tasks and Responsibilities

1. Led a team of 5 to develop a website that inspires and empowers the next-generation entrepreneurs and leaders of the world.
2. Developed a PHP Laravel-based live chat function that enables the communication between mentors, investors, startups, and service providers.
3. Incorporated a read receipt feature into the live chat to enhance user experience.
4. Introduced an online status tracker feature to enable users to know when others are available.
5. Added a profile picture uploading feature to the stakeholders' dashboard to enhance user engagement.
6. Conducted significant UI updates to improve the website's usability.

LANGUAGES AND TECHNOLOGIES

Programming Languages	: JavaScript, Python, Java, PHP, C, TypeScript
Frameworks & Libraries	: Protractor (E2E Automation), Flask, Django, Express.js, Node.js, Laravel, React.js, Jest, Sequelize.js, Angular, Serverless(Node.js), Spring Boot, jQuery, Pandas, scikit-learn, NestJS
Web Design	: HTML5, CSS3, SCSS,
Database	: MySQL, MongoDB
Version Control	: Git
AWS Services	: Lambda, Chime, API Gateway, Amplify, EC2, S3, RDS, CloudFront, Secrets Manager, SNS, SES

PERSONAL PROJECTS

1. **Movie Recommendation System with Sentiment Analysis** (Live Demo: <https://tmc.kishanlal.dev/>)
 - An application that recommends movies similar to the movie user likes, uses TMDB API to fetch details of the movie, uses web scrapping to get the reviews from the IMDB site, and analyse the sentiments on the user reviews. (Utilized: Python, Flask, NLP, Pandas, HTML, CSS)
2. **Online Hospital Management System** (Live Demo: <https://github.com/kishan0725/Hospital-Management-System>)
 - The software covers all aspects of the management and operation of the hospital. (Utilized: Php, MySQL, HTML, CSS, Javascript)
3. **Order My Food** (Live Demo: <https://github.com/kishan0725/order-my-food-MEAN>)
 - A simple online food ordering application developed using MEAN stack with jwt authentication enabled and password encrypted. (Utilized: MongoDB, ExpressJS, Angular, NodeJS)
4. **Covid19 Tracker** (Live Demo: <https://covid.kishanlal.dev/>)
 - A simple application to monitor the status of coronavirus worldwide.
 - It comes with dark theme to improve visibility for users with low vision and those who are sensitive to bright light. (Utilized: Angular 10, Material UI, ng2-charts)

ACCOLADES

- Our team ARTEMIS is honored to have earned 1st place in the HackTheFuture 2022 conducted by Presidio. We built an application that facilitates educational content creators and learners to curate, share, and keep track of notes and videos seamlessly within just 36 hours!
- One of the Top 10 teams in AI/ML Hackathon conducted by HCL and GUVI, where more than 2100 teams (5100 students) from 64 colleges have participated in the event.
- Published an article on 'How to handle missing values in Python?' - <https://bit.ly/3acOZNm>
- Member of the organizing committee of 'GenNext 2k19' techfest by Velammal College of Engineering & Technology
- Attended Workshops on AI and Cloud Computing at NIT, Trichy
- Recognized with a Spot Award for outstanding contributions to the project, creating a significant impact.

CERTIFICATIONS

1. MACHINE LEARNING	- STANFORD UNIVERSITY, COURSERA	(JANUARY 2019 - MARCH 2019)
2. PYTHON FOR DATA SCIENCE	- DATACAMP	(MAY 2019 - JUN 2019)
3. TENSORFLOW IN PRACTICE (SPECIALIZATION)	- DEEPLARNING.AI, COURSERA	(JUNE 2019 - OCTOBER 2019)