PRANAV M

Contact

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GitHub | LinkedIn

Achievements

- Presented paper "**DES Security Enhancement With Dynamic Permutation**" in an IEEE conference iCATccT on November 2015

- Organized **BarCamp Kerala 15** on April 2014 at Amrita Vishwa Vidyapeetham

- Internship with Amrita Vishwa Vidyapeetham, Software Development Team for developing software that **automated the working of the reprographic center** on June 2013

- Participated in a workshop on **FirefoxOS**, conducted by **Mozilla**. Developed a game, on **Firefox OS**. On July 2013

- Participated for **ACM-ICPC** online competition on October 2012

Open-source enthusiast with extensive experience in software architecture and development. Adept at finding smart and simple solutions to complex problems, with a proven track record in leading technical teams, enhancing processes, and delivering high-quality software solutions.

Experience

Software Architect – Builder.ai   *July 2024 – Till-Date*

- Evaluated client requirements and determined optimal solutions for implementation..
- Identified and implemented process improvements within the SDLC, leveraging advanced tools and technologies to automate various stages..
- Led technical problem resolution across all project delivery facets, serving as an expert troubleshooter..
- Documented architecture and technical tasks during user story refinement to ensure clarity and alignment with project goals..
- Oversaw all technical deliverables, including code quality, test automation, NFR testing, and code handover, maintaining high standards and ensuring smooth transitions

Tech Lead– SugoiLabs   *Jan 2021 – Apr 2024*

- Worked with **Introdus** (Denmark based HR-Tech startup), to rewamp the UI of the application. Also worked implementing new fetures.
- Lead the development of analytics module. Created real-time chat module using sockets.io at **Introdus**.
- Directed multiple projects at SugoiLabs, coordinating team efforts, estimating project scopes, and overseeing development and deployment.
- Conducted second-round technical interviews, evaluating candidates technical skills and cultural fit.

Product Development Engineer - SugoiLabs   *Jan 2019 – Dec 2021*

- Re-engineering legacy application **burstoralcare.com** from PHP to MERN stack.
- Interacting with the CS Team understanding the requirements and problems and making the required changes to the features.
- Planned and executed updates to accommodate high traffic and load during Black Friday and Cyber Monday Sales.
- Lead the development of the project Monday Ready.

Software Developer - Plus91 Technologies Pvt.Ltd (R&D Team)

Sep 2017– Jan 2019

- Designed and developed an online learning portal (**VTR**) for medical professionals in Ghana, including an offline Android app
- Created a **hybrid mobile application (Medixcel-Lite)** for patient appointment management using the Ionic framework.
- Developed a **Form Generation Engine** for creating customized forms based on a JSON model..
- Created a POC **for App Generation Engine** which could automate generation of a data collection apps with predefined screens and forms based on a JSON model.

Software Developer - FOA GrowthTech.Pvt.Ltd & Plus91 *July 2016 – Sep2017*

- Designed and developed the beta version of the software **Dazzletoday**.
- Responsible for developing **mobile app Dazzler**.
- Led a team of three in optimizing the Dazzletoday application for improved performance.

Software Engineer Cerner Health Care Solutions   *Jan 2015- June 2016*

- Worked on **Hadoop** pipelines for extracting and processing data in **HBase**, and created front-end matrices for descriptive analysis.
- Initiated and led the design and development of **Data Validation Tool**, which is useful for validating data with different domains.

Expertise

- **Project Management**: Planning, feasibility study, project architecture, estimation, and technical design.

- **Debugging**: Expert in debugging and bug fixing, RCA.

- **Cloud Platforms**: AWS (EC2, Lambda, S3).

- **Databases**: SQL and NoSQL.

- **Containers & Orchestration**: Kubernetes, Docker, Helm

- **Tools & Methodologies**: Jira, Confluence, Git, ClickUp, Agile, GitLab CI/CD.

- **Technologies**: JavaScript, Node.js, Express, React, React Native, Angular, MERN, MEAN, ROR

- **Systems**: Linux and shell scripting.

Seminar and Workshop

- Give Better Estimates: BarCamp Kerala Jan 2023
- Ask Right Questions : KeralaJs Jan 2023
- MEAN Stack WORKSHOP GadgEon Sept 2022.
- NODEJS WORKSHOP GadgEon Dec 2021.
- REACTJS WORKSHOP: SugoiLabs Jun 2020
- NODEJS : Talk on history and NodeJS its advantages at infopark for prathidhwani.org on Jun 2019
- MEAN STACK: 6 days training for employees of CCS infotech on Nov 2018
- FUN WITH NODEJS: Amrita Vishwa Vidyalayam, department of computer science on Oct 2018
- COMMON ERRORS WHILE USING JAVASCRIPT, KeralaJS on Sep 2018

Languages

English, Hindi, Malayalam, Kannada, Tamil.

Hobbies

CS-GO, Travelling , Photography.

Open-Source Contributions

- **Dev-Tool-KIT** : Crater and Maintainer of developer's tool kit.
- **Npm Module**: Developed the **checkbox-list** npm module for React. It provides a customizable component for checkbox lists
- **BugFix Mozilla FireFox: bug #1026272** - under the guidance of Heather Arthur.
- **MOOSHAK** : Successfully integrated a menu that invokes a shell script, in Mooshak (an online programing contest management system) to export passwords to an excel sheet.
- **INTEGRATED MOOSHAK WITH MOSS**, for plagiarism detection.

Projects

ODDS On Chain: *Dec 2022*
Created a blockchain betting application on Ethereum. Users bet on the winning team each day and win the pool prize if they choose correctly.

COCHIN FIRE TECH: *July 2021*
Consulted for Cochin Fire Tech to build a custom inventory management system. Provided technological guidance, collaborated with the technical team, and designed the application architecture..

DEXTER – Slack Bot: *May 2020*
Built a Slack bot to introduce new employees to the organization. It explains company policies, corporate structure, leave policies, and latest announcements.

Chrome Plugin for Notion: *Aug 2019*
Developed a Chrome plugin to add and manage bookmarks in Notion..

DOMAIN HUNTING TOOL: *Oct 2018*
Built a POC application for a German startup. It searches for domain names across services, saves preferred names, and sends email alerts when they become available. Technologies used: Django and SQLite.

MEDIA STREAMING MODULE: *Sept 2015*
Developed a media streaming module using Raspberry Pi. It streams music and movies to mobile devices via Wi-Fi. Technologies used: Raspberry Pi, Python.

"VINAYAKA" CONTEST MANAGEMENT SYSTEM: *May 2014*
Designed a POC of a system for managing programming contests. Technologies used: Node.js, MongoDB, AngularJS.

ACM ICPC ADMINISTRATION SOFTWARE. 1.1   *Sept 2013 – Dec 2013*
Redesigned and added features to software for ACM ICPC administration. Technologies used: PHP, HTML5, Ajax, jQuery, CSS3, MySQL.