Kirisanth (Kiwi) Ganeshamoorthy

✉ kirisanth.g@gmail.com
in kirisanth
⊙ kirisanth-g
⌲ www.kirisanth.com

EXPERIENCE

Full Stack Developer, Ada Support
SEPT 2018 - APR 2020

- Developed a platform where external CRM systems can be integrated (Salesforce, Zendesk, Nuance) that allows customers to chat with support/sales agents if a bot is not able to provide sufficient guidelines.
- Designed a new architecture to allow new platforms (Whatsapp, WeChat) to be integrated into any Ada chatbot. Allowing the company to reach customers whatever platform they use. Delivered in scope and on time that will reach millions of new end users.
- Within 3 weeks, performed deep technical analysis to improve the API performance by 3X to help scale our platform to 10X users/day.
- Rebuilt an application that customers can embed in their site to trigger a chatbot conversation using Preact-Typescript. This new app allows customers to seamlessly get new updates, while allowing the Ada to easily build newer features.
- Managed upcoming projects through research, discovery and scoping. This included documenting existing domain knowledge, understanding the existing technology stack, and validating possible solutions.

Teaching Assistant, University of Toronto
SEPT 2014 - APR 2019

- Conducted weekly tutorials and practical sessions for 100+ students to deepen understanding of curriculum and computer science concepts.
- Communicated technical information such as object oriented design & development, design patterns, micro-processing elements, and assembly languages.
- Leadership skills were enriched through organizing and creation teaching material and marking schemes for other teaching staff.

Full Stack Developer, IITS - UTSC
MAY 2017 - AUG 2017

- Designed an end-to-end full stack application (Laravel, MySQL) that automates the student application process. This is being used daily by +30 staff to help filter out over 2000 applications/year.
- Gathered requirements alongside product owners, and sat down with users to conduct customer interviewers to assure successful delivery and positive user experience.
- Facilitated the planning and monitoring of the project through the use of agile principles towards a user-centered design.
- Presented monthly demos to clients and gathered feedback resulting in successful delivery to happy customers in the expected timeframe.

LANGUAGES & FRAMEWORKS

- Java
- Python & Flask
- JavaScript
- Node.js
- Typescript
- React & Redux
- PHP & Laravel
- C
- Haskell

TECHNOLOGIES

- SQL (MySQL, PostgreSQL)
- NoQSL (MongoDB)
- Redis
- ElasticSearch
- Nginx
- Docker
- AWS
- Apache
- Google APIs

SOFTWARE DEVELOPMENT

- Object Oriented Design
- RESTful Design
- Security-Conscious Development
- Find & Exploit Security Vulnerabilities (under a controlled environment)
- Agile software development practices
- Testing practices & frameworks
- Strong analytical and problem solving skills

PROJECTS

MeetUp — Mobile Application

https://github.com/sanic-meetup/meetup

- Created a personal project called Meetup that allows users to organize events on the go or pre-planned and invite a select group or all their followers.
- Created a RESTFUL API using Node, Express and NoSQL MongoDB for data storage
- Integrated various things such as Passport, Pusher, Googles Maps, Apple Core Locations to streamline user event creation

Matplotlib — Open Source Project

https://github.com/kirisanth-g/matplotlib

- Contributed to a large open source project called matplotlib that is used by many individuals across to create static and animated visualizations in Python.
- Implemented community requested features and fixed reported bugs using best practises.
- Worked with reverse engineering tools to analyze design patterns and refactor/redesign code to better extend functionality

EDUCATION

AWS Certified Solutions Architect – Associate   2020
A Cloud Guru

Honours Bachelor of Science, Computer Science   2018
University Of Toronto

TOOLS

- DataDog
- Sentry
- Axe
- LogDNA
- Grafana

UX/UI

- User-Centered Design & Experience
- Prototyping
- Usability Testing
- Data Gathering & Analysis