Ramya Sree Kola

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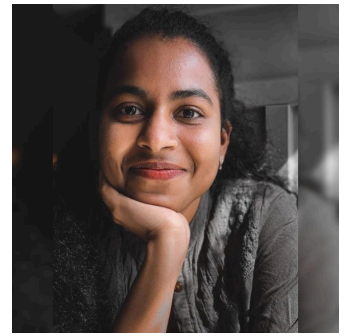
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Portfolio
Swedish Citizenship

SUMMARY

- 5+ years experience developing complete web applications encompassing design, implementation, business analysis, and deployment.

- Expertise in both client-side and server-side development, delivering fully functional and responsive user-friendly web applications.

- Adept at working both independently and collaboratively in fast-paced environments.

- Working with Agile methodologies, including Scrum and Kanban, focusing on visualizing, limiting work in progress, and optimizing workflow.

PROFESSIONAL EXPERIENCE

Organization: Volvo Cars Corporation   **Feb 2020 - Present**
Location: Gothenburg, Sweden
Role: Frontend Developer
Responsibilities:

- Worked with multiple teams across the organization developing web applications using Typescript and React. Unit testing and smoke testing for code quality.
- Developed and maintained user-friendly web applications tailored for direct customers. Took an active role in scaling and expanding these applications to serve numerous markets across the US, EMEA, and Asia.
- Playing an active role in developing a specialized Content Management System (CMS) web application within an internal team. This CMS serves as a valuable tool for efficiently managing and organizing data for customer-facing teams.
- Successfully upgraded a project by adopting a "zero installs" approach and implemented PnP (Plug and Play) in the project to optimize dependencies, resulting in reduced installation and build times. This contributed to better productivity and performance.
- Contributed to developing a mobile app prototype using Swift programming language. The prototype aimed to showcase the app's features and functionality to potential mobile users, effectively generating interest and attracting more customer traffic.
- Using visualizing tools like storybook for documenting and developing UI components, demonstrating controlled development, and designing responsive UI components.
- Utilizing LaunchDarkly and setting up feature flags for controlling feature releases. Measure and analyze the effectiveness of A/B tests, making data-driven decisions to improve software features.

Responsibilities:

Organization: OpenText
Location: Gothenburg, Sweden
Role: Full Stack Java Developer

- Worked on developing reusable UI components using HTML5, CSS3, Typescript, NodeJs, and Angular. Implementing services to consume REST APIs using component-based architecture by Angular.
- Designed and maintained Restful web services using Spring Rest and Java.
- Worked on database SQL statements for querying, updating, and reporting of complex API response data.
- Written test cases to achieve code coverage using Junit, Jasmine, and Karma, Postman.
- Assisted in creating the environment using Docker to create images. Setting up helm configuration and Kubernetes
- Developed Micro Services-based business components and Restful service endpoints using Spring Boot.
- Worked on configuring Nginx as a reverse proxy to optimize application routing and load balancing for the application.

ACADEMICS AND PERSONAL PROJECTS
- Master Thesis Project on using Style GANS learning for style transfer and generation of synthetic image data with style transfer. [Research Paper](#)
- A smart AI player for the Kalaha board game. The game was implemented in Java. The smart AI player implementation - minimax algorithm with alpha-beta pruning. [Github](#)
- Sentimental analysis of the Twitter and Reddit user post data, which uses LSTM neural networks. Using this to predict the bitcoin price.
- Developed a web application for banking task scheduling.
- Designed a smart dashboard containing live port visualization (using Google Maps API), a smart time slot appointment system, and equipment monitoring.
- UI design assessment - Enhancement summary of Interaction System for a Virtual Reality System.
- Designed a web App, that combines data from Google News with the functionality of Google Maps JavaScript-API, implemented using Python, HTML5, JavaScript, JQuery, typeahead.js, CSS3.
- Self-Development Path – Self-paced MOOCs for Computer Programming Introduction and Machine Learning.
- Finalists among the 79 European schools for the 5th PEMA (Ports Equipment and Manufacturing Association) student challenge which is conducted in Europe by TOC Europe for the innovation task of Digitalization of Ports and Terminals in June 2017.
- Awarded a merit scholarship of 75% by Blekinge Institute of Technology.

EDUCATION
Masters in Computer Science – Blekinge Technical University, Sweden. **2018-2020 Graduation in Computer Science** – Jawaharlal Nehru Technological University, India **2013-2017**

TECH STACK

Programming Languages: Python, C, Java (JDK 7, JDK 8), JavaScript (ES6), Typescript, SQL, PHP, Swift

Web Technologies: HTML5, CSS3, Typescript, React, jQuery, NodeJs, AngularJs, Angular 8, Bootstrap

Databases: Oracle, SQL Server, PostgreSQL MongoDB, MySQL

Version Control Tools: GITHUB, SVN

Development Tools: Eclipse, PyCharm, IntelliJ, NetBeans, Visual Studio Code, MATLAB

Cloud Technologies: Google Cloud Platform, Azure and Amazon Web Services, Docker, Kubernetes, Helm

Testing Tools/ Others: Jest, JUnit, Jasmine, Karma, Git, Postman, Storybook, Launchdarkly, Figma