VARUN SURESH KUMAR

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A professional front-end developer with five years of expertise in developing and testing ReactJs applications with active involvement in the end-to-end product development cycle. Looking for a challenging position to demonstrate my frontend skills and contribute to a wonderful team.

SKILLS

Frontend : ReactJs, Typescript, JavaScript, NextJS, Storybook, Context, Redux, Hooks, SCSS, AJAX

Testing   : Cypress, React Testing Library, Jest, TDD Methodologies

Workflow: Agile, Jira, Trello, Git, GitHub, WAVE, Sentry, Vite, WCAG 2.1 Standards

Backend   : NodeJs, Python, SQL, Flask

DevOps   : AWS, Docker, Netlify, Vercel

Certifications: Microsoft: Azure AI Fundamentals

WORK EXPERIENCE

Research Assistant   June 2023 – Present
Department of Psychology, Queens University Belfast

- Assisting in developing web solutions for creating surveys and dashboards and deploying Huggingface spaces with NLP-related models.
- Received funding to continue my thesis and build prototypes to publish a research paper.

Frontend Engineer - React   January 2022 – August 2022
Cognizant Technology Solutions, Bangalore

- Upgraded a legacy application by refactoring class components to functional components with hooks and test-driven development methodologies.
- Optimised and updated a legacy private npm packages to hooks and tested with Jest.
- Identified and fixed 40+ bugs, while maintaining compatibility with existing applications.
- Responsible for setting up storybooks, writing Unit tests and Cypress tests.

Senior Software Engineer   April 2019 – December 2021
Apptomate Digital Software Services, Chennai

- Supervised a team of 5 developers and led 7 projects in architecture planning, coordinating workflow, requirements gathering, design decisions and setting Storybook.
- Actively involved at end-to-end SDLC in developing and delivering ReactJs applications.
- Prototyped a micro-service computational layer with AWS Textract, AWS Lambda, Python, React-PDF, RabbitMQ and AWS cognitive services and deployed on AWS.
- Architected an in-house FAQ portal to share technical findings, documentation and solutions for frequent issues which reduced bug fix research time by 80%.
- Migrated dev environment from AWS EC2 to Netlify and reduced expenses by 90%.
- Optimised 5 projects by profiling components, effective code-splitting and memoization.
- Developed real-time analytics dashboard with ReactJs, webRTC, TollGuru and NodeJS.
- Responsible for communicating with Stakeholders and offshore development teams.
- Received recognition as SME for Reactjs and received appreciation from three clients.

Software Engineer   July 2018 – April 2019
Apptomate Digital Software Services, Chennai

- Developed and tested responsive UI components with ReactJs, SOLID and DRY principles.
- Collaborated with offshore developers for architectural and design decisions.
- Provided technical documentation and reports to improve collaboration within the team.
- Received Senior promotion in less than a year for exemplary performance and delivery.

Application Developer   March 2017 – June 2018
Contus Pvt Ltd, Chennai

- Developed admin portals and financial dashboards using ReactJs, Redux and ant-design CSS library. Also implemented JWT authentication.
- Customized Magento extensions for rental-oriented and marketplace-related products. Integrated payment methods like PayPal and Paytm for Magento (1.x and 2) applications.

PROJECTS

AutoEDA - varunsk.com/auto-eda   ReactJs, Flask, JavaScript, AWS Lambda, OpenAI
- Developing a web application to perform EDA, visualisations and auto-detection of features and statistical suggestions using ChatGPT functions.
- Developed multi-window and minimise windows features to visualise graphs and chat windows concurrently. The backend is on AWS Lambda and maintained a11y standards.

ATS Assist - varunsk.com/ats   ReactJs, JavaScript, AWS Lambda, OpenAI
- Designed and developed a Single page application to assist in customizing CV/resume.
- Provided features to identify soft skills and hard skills from CV and job description.
- A word cloud generated from the backend is presented to provide visual feedback as SVG.

QUB Survey - qub-ai-assist.streamlit.app   Streamlit, Google Sheets, OpenAI
- Developed a survey application from scratch using Streamlit for the Department of Psychology to capture students' opinions on AI and human content.
- 30% of the code is custom styling with HTML and CSS. Google Sheets is used as storage.

Secure Book - com.varunthefalcon.securebook   JavaScript, React Native, Fastlane
- Launched an Android application to encrypt and store passwords with biometrics security
- Shipped the application to the Android's App Store using Fastlane.

EDUCATION

Queen's University Belfast - Masters: Data Analytics**,** 2022 - 2023.
Anna University, Chennai - Bachelors: Electronics and Communication Engineering, 2012 - 2016**.**

EXTRA-CURRICULAR AND VOLUNTEERING ACTIVITIES

- **Conducted online coding classes** during the pandemic with HopeTutors.
- **Volunteered in Target Ovarian Cancer run**, Belfast with Queens University Handy Helpers.
- Secured **State level 5th** position and **District level 2nd** position in Yoga Competitions.
- Represented my college in Zonal Chess competitions and is now a **FIDE rated player** (FOA)
- Regular **participation in hackathons** and tech events. Like the #hackthehub23, QUB Real World Challenge, CES- Stock Market Challenge 2023, BelfastJS and PyBelfast meetups.
- Enjoys creating analytical tools and casual websites for personal use.