AKSHAY BANKAPURE

FULL STACK SOFTWARE DEVELOPER

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A goal-oriented professional, highly skilled with excellent organizational and management skills, targeting leadership assignments in Full Stack Development,

Core Competencies

- Full Stack Development
- Database Design & Management
- Software Architecture Design
- Continuous Integration & Deploymet (CI/CD)
- Troubleshooting & Debugging
- Project Engineering & Management
- Data Science & Analytics
- AI/ML & Programming Languages
- Predictive & Data Modelling
- Data Visualization & BI
- Data Mining & Insights
- Analytics Roadmap & Solutions

Soft Skills

Collaborator

Problem-solving

Team Building & Leadership

Analytical & Critical Thinker

Planner & Communicator

Personal Details

- **Date of Birth**: 11th July 1994
- **Languages Known**: English, Hindi, Kannada, Marathi & Telugu
- **Address**: Bangalore-560043

Accomplishment

- Awarded second prize in CBKPC's Project Exhibition for "Showroom Automation" project in 2018

Profile Summary

- A **result-oriented** professional with over **4 years** of experience in **Full Stack Software Development and possessing the knowledge purview of Data Science, AI & ML**
- **In-depth understanding of Software Development Lifecycle (SDLC)** right from requirement analysis, documentation (functional specifications, technical design), coding and testing (preparation of test cases along with implementation) to maintenance of applications
- **Experienced in liaising with users for requirement gathering**; prepared functional specifications and design documents
- **Proficient in formulating clean, efficient, and well-documented code** in one or more programming languages; developing and maintaining software applications, including **testing and debugging code**
- **Built robust architecture** for different solutions by managing the security, performance, **availability, compliance, scalability and maintainability aspects** of software development
- **Competent in designing client-side and server-side architecture**, building the **front-end** of applications through **appealing visual design**, developing and managing well-functioning databases and applications, **writing effective APIs**, **testing software** to ensure responsiveness and efficiency, **troubleshooting, debugging** and **upgrading software**, and **creating security and data protection** settings
- **Drove efforts towards maintaining software development practices**; adhered to company standards for coding and unit/functional test coverage; **skillful in developing / reviewing test cases for conducting Unit & System Integration Testing**
- **Excels in rendering proactive assistance in the development of Data Science Framework**, capability to monitor large volume data sets and utilizing the latest data and visualization tools and software to provide the business with insights on customers while making recommendations for improvement
- **Robust acumen in working with complex and rich data sets** to build and deploy the **best data solutions** to complex business problems; **applying cutting-edge machine learning, deep learning, and computer vision techniques** to invent solutions
- **Capability in devising and implementing Statistical / Predictive Models** and Machine Learning Algorithms utilizing diverse sources of data
- **Insightful experience in project management activities** including project scoping, estimation, planning, finalization of technical / functional specifications, resource administration and quality management
- **Capability to drive an independent workstream**, comfortable to **work in ambiguous, ever-changing situations** and **flexible to work collaboratively in a team** and create an inclusive environment with people at all levels of an organization

Career Timeline

Nov'12-Jan'17 (~ 5 years)	**Feb'17-Nov'19** (~3 years)	**Sept'21-Feb'23** (~2 years)
Freelance Web Developer	Racksons IT, Jaysingpur, India	Rig Controls Products Ltd., Aberdeen, UK

Work Experience

Sept'21-Feb'23 | **Software Developer Engineer**| **Rig Controls Products Ltd., Aberdeen, UK**

Key Result Areas:

- **Environment expertise entails:** Electron, Node JS, NPM, HTML, CSS, JS, jQuery, JSON, AJAX, NoSQL, PLC Programming, Shell Scripts, build and deploy.

📋 Education

- **Sept'20-Sept'22: M.Sc. in Computing with International Business**
From: University of Dundee, UK
Modules: Graphics, Information Security, Operations Management and Change, Software Engineering, International Business Strategy, Advanced Programming Techniques, Business Intelligence Systems
Project: Skin Cancer Diagnosis using AI and Deep Learning (Python - DL/ML/AI)
Project: Low-cost LoRaWAN Data collection device with back-end, front-end, and data analysis. (IOT)
- **Post Graduation in AI & ML**
From National Institution of Technology, Warangal. India
Modules: Python and Its Applications, Predictive Analytics, Machine Learning, Graphical Models, Reinforcement Learning, Natural Language Processing, AI and Deep Learning
Project: Machine Learning Model for Auto Insurance Industry (Python - ML/DL Libraries)
- **Bachelors of Compuer Applications**
From: Indian Institute of Management Research and Technology, Bangalore, India
Project: Hotel Management System
Java, SQL, Visual Studio, Oracle Database
- **Diploma in Computer Application**
From: Indian Institute of Management Research and Technology, Bangalore, India

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- Constructed a website from scratch, initiated with prototyping and wire-framing using Figma, and implemented it on top of the headless CMS (full-stack)
- Utilized Canvas API, modified the current screens in line with client requirements
- Enhanced the back-end, incorporated additional functionalities, and validated communication between the back-end and front-end
- Employed many custom in-house developed libraries for back-end operations (e.g., communicating with PLCs)
- Contributed to the development of a real-time/live chart recorder screen
- Devised & executed an isometric projection of the choke Manifold system inside the Canvas
- Augmented and refined the current JavaScript version of the software
- Transformed JavaScript code to TypeScript for RMS (Flagship System) Software
- Conducted research on other frameworks for the front-end and executed mini-projects to illustrate the ease of use with React; created a few demo-projects using Vue JS+nodejs, TAURI, and React+NodeJS to compare performance and determine the most suitable one
- Customized the screen and screen elements according to client or project requirements
- Provided assistance in manually testing and debugging using Chrome developer tools and MS-code debugging tools
- Assisted in testing simulated scenarios where physical sensors were connected and evaluated in a cutting-edge testing laboratory at RCP

Feb'17-Nov'19 | **Software Developer** | **Racksons IT, Jaysingpur, India**

Key Result Areas:

- Contributed significantly to the development of the company's flagship product by employing .NET, C#, and MS-SQL
- Showcased adaptability and high performance by working with diverse teams on various projects, utilizing languages such as Java and Python during my tenure at Racksons IT
- Partnered with the Product Team to envision and implement new features and enhancements
- Assisted the entire software development process, from requirements gathering to design, development, testing, and deployment
- Collaborated closely with cross-functional teams to troubleshoot technical issues and integrate new features
- Built and maintained multiple e-commerce websites using PHP/JSP, MySQL/SQL, and implemented responsive design principles for a seamless user experience across all devices
- Ensured application reliability and scalability by conducting regular testing
- Developed RESTful APIs for seamless integration with third-party services and applications

📋 Freelance Work Experience

Nov'12-Jan'17 | **Freelance Web Developer** | **Bangalore, India**

Key Result Areas:

- Practiced and gained in-depth knowledge of front-end development, with HTML, CSS, JavaScript, & jQuery
- Collaborated with front-end frameworks and libraries such as React, Vue.js, and other popular tools
- Established & maintained intricate integrations with third-party services such as social media platforms, payment gateways, and content management systems
- Implemented build tools like Gulp and Grunt to streamline front-end development workflows for increased efficiency
- Implemented caching and optimization techniques such as Redis and Memcached to improve application performance
- Formulated automated tests scripts using testing frameworks such as PHPUnit, Codeception, and Behat
- Utilized containerization tools like Docker to create isolated development and production environments
- Developed familiarity with cloud hosting providers like AWS, Google Cloud, and DigitalOcean, while deploying & managing applications in these environments
- Performed mobile app development using hybrid frameworks like Ionic, React Native, or Flutter, and integrated these apps with Laravel-powered back-end systems