

RANJITH BISWAS

Software Engineer

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London, UK

PROFESSIONAL PROFILE

Software Engineer with over 6 years of experience specializing in Node.js, MongoDB, React, Angular, and JavaScript. Demonstrated expertise in designing, developing, testing, debugging and documenting web applications for start-ups and multinational corporations. Managing client requirements for new and existing features, and contributing to strategic decision-making. With a proven ability to quickly learn new technologies and adapt to evolving market needs.

TECHNICAL SKILLS

Languages/Frameworks : JavaScript, Node.js, Express, gRPC, TypeScript, React, Angular, HTML, CSS.

Database: MySql, MongoDB.

Cloud Platform: AWS.

Source Code Management: Github, Gitlab.

Ticketing Tool: Jira.

Monitoring tool: Prometheus, Grafana.

Knowledge Management Tool: Confluence.

Operating System: Linux, Windows.

Containerization: Docker.

Automation: Shell scripting.

Messaging Broker: MQTT, Redis.

KEY STRENGTHS

- A cooperative person, working closely with partners and stakeholders can reliably depend on meeting the due date by giving excellent quality in deliverables.
- Capacity to learn new difficulties at work and give solutions.
- Respected leader, equipped with good communication, coordination and analysis skills.
- Problem-Solving

EDUCATION QUALIFICATION

Msc Cloud Computing

May 2024 - Pursuing

Modules: Cloud computing technologies, AI and Machine Vision, Big data analytics, computer security.

University of East London. London, UK.

Master of Computer Application

2015 - 2018

Modules: Fundamentals of programming languages, Data structures & algorithms, Database, Web Programming
Bangalore Institute of Technology College. Bangalore, India.

Bachelor of Computer Application

2012 - 2015

S.S.M.R.V Degree College. Bangalore, India.

CERTIFICATIONS

gRPC [Node.js] MasterClass: Build Modern API

AWS Academy Cloud Foundations

PROFESSIONAL EXPERIENCE

Smart Controls India Pvt. Ltd. (A Member of Zeppelin Group) Bangalore, India May 2022 – May 2024
Senior Software Engineer (MERN stack developer)

- Developed new features and supported ongoing projects including resolving customer reported bugs and delivering solutions.
- Onsite commissioning to deliver the final product to the clients.
- Resolved technical problems relating to the critical external web app that helped to tune system performance and decrease average response time to 50%.
- Implemented Redis and MQTT as a messaging broker to communicate between middleware services, resulting in reliable communication and transfer of data between multiple channels (MES, Middleware application).
- Optimised database, introduced PSA and PSS architecture in database leading to improved performance and 25% faster read and write operations.
- Ensuring code consistency and quality by utilising static code analysis.

Avianco Technologies Pvt. Ltd Bangalore, India October 2020 – May-2022
Software Engineer (MEAN stack developer)

- Collaborated in a project with NASA Federal Unmanned Aircraft Systems Traffic Management.
- Actively involved in the scope discussions with the Business Analysts and the Business users to identify the technical requirements and building business logic APIs and integrating in the front-end (end to end workflow).
- Integrated JavaScript map libraries (Mapbox ,MMI, Leaflet, Turf) and developed IoT messaging protocols using MQTT. Developed secure RPC APIs with gRPC for telemetry data from UAVs.
- Optimised MongoDB queries for REST APIs, resulting in a 2X increase in application response time.
- Contributed to customise existing product for government related projects during Covid.
- Collaborated with the UI/UX team to come up with more prominent designs.
- Built a new job portal application for Drone pilots from scratch using Node.js Angular, MondoDB.

Torry Harris Integration Solutions Bangalore, India June 2019 – September 2020
Associate software Engineer(MERN stack developer)

- Contributed to various external projects for different clients.
- Conducted requirements gathering and validation as a part of collaboration for the high-profile progressive web application that helped to develop unambiguous technical requirements and establish consistent feed-back loop.
- Collaborated in designing and building Proof of Concept for production systems.
- Created secured backend Apis and integrated in front-end functionality, including documentation.
- Database design for SQL and NoSQL.

Backbench Internet Services Pvt. Ltd, Bangalore, India February 2018 – December 2018
Web Developer

- Internship (6 months).
- Integrating third party APIs using Node.js in the backbench platform and documenting in gitbook.
- Built a web application from scratch in node.js called share socially.

HOBBIES & INTERESTS

I enjoy travelling and camping during long weekends, and love cooking new recipes while listening to music. In my free time, I also enjoy reading, playing cricket, and paintball.