

Denuwan Bandara

Software Engineer

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Summary

Passionate and enthusiastic Full-Stack Software Engineer with 2+ years of experience in wide range of technologies including Angular and Java. Proven expertise in software and database development, software testing, and debugging. Strong eagerness to learn, coupled with proficiency in web development, API development, and cloud technologies. Adept at maintaining high industry standards and best practices, with a focus on designing and maintaining scalable software solutions.

Core Competencies

- Software & Database Development
 - Software Testing and Debugging
 - Web Development
 - Eagerness to Learn
 - Teamwork and Management Skills
 - Critical Thinking and Problem Solving
 - API Development
 - Good Written and Verbal Communication
 - Attention to Detail and Pragmatic
 - Collaborating with Cross-Functional Teams
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Tools and Technologies

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|--------------------------------------------------|-----------------------------------------------|
| • Angular, Material UI | • REST APIs |
| • Node.js | • Microservices and Event Driven architecture |
| • React | • MySQL, Firebase |
| • Java | • Python |
| • AWS and Oracle Cloud Technologies and Services | • GIT (Version control) |
| • Spring Boot | • AI, ML, and Deep Learning |
| • CI/CD | |
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Project Responsibilities

- Software Design, Development, and Support
 - Requirement Elicitation and Analysis
 - Participation in Daily Standup Meetings
 - Following Agile Best Practices and Standards
 - Understanding Design Specifications
 - Participation in Sprint Planning Sessions
 - Software Maintenance and Support
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Educational Qualifications

- BEng. in Software Engineering, IIC University, (2019-2023)
 - GCE A/L in Mathematics stream, Bandaranayake College Gampaha, (2017)
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Achievements & Certifications

- AWS Certified Developer – Associate, Amazon Web Services, (2022)
 - Oracle Certified – Associate Java, Oracle University, (2023)
 - Certified Oracle Cloud Infrastructure Foundations Associate, (2023)
 - CloudFest Hackathon (AWS – among top individual performers) - Virtusa, (2023)
 - Insurance Foundation Certificate - Virtusa, (2023)
 - HIPAA Training - Virtusa, (2023)
 - React Hackathon Participant - Virtusa, (2023)
 - AI/ML Engineer Stage I, SLIIT, (2022)
 - AI/ML Engineer Stage II, SLIIT, (Reading)
 - Python Programmer (Level I & II), University of Moratuwa, (2022)
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Work Experience

Virtusa Corporation Sri Lanka

Associate Engineer – Technology

Protective Insurance - Protective OpenText Program - Insurance (Oct-2022 to Mar-2023)

- **Role:** Developer
- **Technology:** Angular, Angular Material, node.js
- **Description:** Protective Insurance Company Insurance details viewing and printing Angular application. Frontend developed using Angular and Angular material.

Outdoor Catering – Data Management strategy for both OLTP and analytics to outdoor cooking (Mar-2023 to Sep-2023)

- **Role:** Software Engineer (Full-stack)
- **Technology:** Java, Microservices, Angular, AWS services
- **Description:** Cloud-native outdoor catering management system. Combines Angular frontend, Java microservices backend, and MySQL database on Amazon RDS.

Ansell – Ansell Lights on and Development – IOT analytics Dashboard with real time monitoring - Healthcare (Current)

- **Role:** Senior Developer (Full-stack)
- **Technology:** Angular, Angular Material, Tailwind CSS, Node.js, MongoDB, CouchDB, AWS services, Express.js, Highcharts Library
- **Description:** Contributed to a CI/CD project developing a real-time analytics dashboard for an IoT glove. Used AWS Lambda, Kinesis Firehose, and Code Commit for data processing. Employed CouchDB, MongoDB, Angular, Node.js, and Express.js. Automated deployment with CI/CD pipelines. Aimed to deliver instant gesture data insights, showcasing innovation and effective data visualization.

Experience Prior to Virtusa

Pubsee Locator – Transportation (Jan-2021 to May-2021)

- **Role:** Full Stack Software Engineer
- **Technology:** Java, Android, XML, Google APIs, Firebase
- **Description:** User-friendly Android application for real-time public transport route tracking. Developed with Java-based backend, utilizing Google APIs and Firebase.

Humidity Predictor - IoT with Raspberry PI (May-2021 to Apr-2022)

- **Role:** Full Stack Software Engineer
- **Technology:** IoT with Raspberry PI, AI/ML, Python
- **Description:** IoT project using Raspberry Pi 4B for real-time environmental data collection. Integrated ARIMA model for predictive analytics and used Node-RED dashboards for visualization.