

Mohammed Ishmam Uddin

Full Stack Software Engineer

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Profile

Accomplished professional with 3+ years' experience delivering high-performance apps and data-driven solutions.

Known for leveraging expertise in full-stack development, cloud architecture, and machine learning to transform complex requirements into efficient, reliable software. Excel at optimizing workflows, enhancing system reliability, and building intuitive user experiences. Demonstrate strong proficiency across programming languages, frameworks, and cloud platforms to drive operational excellence, accelerate feature deployment, and deliver measurable business impact. Instrumental in collaborating with teams to produce innovative, production-ready solutions in line with strategic goals.

Areas of Expertise

Programming Languages: C++ | C | C# | Java | Python | MATLAB | SQL | Go | PHP | Ruby | JavaScript | HTML | CSS

Web & Application Development: Laravel | Vue.js | Flask | Django | Symfony | Ruby on Rails | Bootstrap | Full-Stack Development | Responsive Web Design

Cloud & DevOps: AWS | Azure | Cloud Computing | DevOps | CI/CD | System Scalability | Application Reliability
Software Engineering Fundamentals: Algorithms & Data Structures | Object-Oriented Programming | Software Development Methodologies | Database Management | Operating Systems | Version Control Systems | Debugging & Troubleshooting | Testing & Quality Assurance | Agile Development | Security Practices

Data & Analytics: Data Analysis | Machine Learning | Predictive Modeling | Data Pipeline Development | Dashboard Design | Power BI

Tools & IDEs: Git | GitLab | Visual Studio (.NET) | Visual Studio Code | IntelliJ IDEA | Xcode | Aspose | Balsamiq | Figma

Productivity & Collaboration: MS Office | Excel | Pages | Project Management | Business Requirements Translation

Professional Experience

Software Developer | Amur Financial Group | Surrey, BC July, 2024 — Present

Deliver high-performance web applications using PHP, Laravel, and Vue.js, optimizing databases with SQL and building responsive interfaces. Translate requirements into scalable solutions, modernize infrastructure to reduce downtime, and strengthen code quality through reviews and cross-team collaboration.

- Grew system performance by 35%, contribution through upgrading PHP from version 5 to 8.
- Ensured flawless functionality by resolving 100+ screens and 50 scripts in upgrade project.
- Boosted data visibility and cut manual reconciliation and lookup time by 30%–40% through dashboard design.
- Enhanced user engagement via responsive and visually appealing front-end interfaces using HTML and Bootstrap.
- Advanced mortgage processing by modernizing Doc Tracker system for documents, applications, and funding workflows.
- Raised data accuracy through complex backend logic in PHP and SQL for edge-case administration.
- Streamlined user workflow by creating dynamic, reusable Vue.js components for multiple team functions.
- Preserved historical reporting by reverse-engineering legacy rules and reproducing each in modern code.
- Minimized support tickets and rework by addressing validation gaps, workflow bugs, and document inconsistencies.

Software Developer Intern | Analyst | Vancouver, BC Jan, 2022 — May, 2023

Delivered reliable software solutions through coding, testing, and debugging while improving performance via reusable module design. Collaborated across teams to share technical insights and uphold quality standards across multiple development initiatives.

- Reduced company backlog by 8% through execution of targeted software development initiatives.
- Increased model accuracy by developing object-oriented C# (.NET) application for financial analysis workflows.
- Expanded Excel toolkit functionality through implementation of small to medium-sized features for analyst efficiency.
- Emphasized code reliability by refining, debugging, and integrating unit tests for production applications.
- Accelerated releases by leading automated deployment implementation using Amazon S3 and CI/CD pipelines.
- Enhanced data retrieval speed and system performance by programming GraphQL queries for templates.
- Strengthened application capabilities by applying diverse programming languages and frameworks to solve key problems.
- Elevated team code quality by participating in code reviews and presenting precise, actionable feedback.

Key Projects

TutorMe Web App on AWS (CMPT-474): Developed scalable AWS-based web application, enabling student-tutor matching, scheduling, and search, leveraging serverless microservices, secure APIs, DynamoDB, and responsive React frontend hosted on AWS Amplify.

Human Activity Classification (CMPT-353): Built machine learning pipeline to classify human activities from sensor data, applying ETL, signal filtering, feature engineering, predictive modeling, and Apache Spark to achieve 80% accuracy and motion analysis insights.

Education

Bachelor of Applied Science with Major in Computer Science | Simon Fraser University | Burnaby, BC

2019 — 2023