

SUMAIYA SALAM MUNIRA

APPLIED AI AND SOFTWARE PRODUCT ENGINEERING LEADER

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EXECUTIVE PROFILE

Technical Product Lead and software engineering professional with more than 12 years of experience across applied AI, mobile engineering, scalable digital platforms and technology product delivery. Career progression from hands-on Android development to engineering leadership, project coordination and product strategy, with technology delivery connected to Australia, Canada, Japan, the United States, Qatar and Bangladesh. Combines international-scale product engineering, nationally funded AI-related research and current Australian leadership in production voice automation, workflow intelligence and platform integration.

SELECTED INTERNATIONAL AND AUSTRALIAN IMPACT

177 COUNTRIES Production availability recorded for RingID Android releases	9M+ NEW USERS Recorded by Firebase Analytics during the relevant contribution period	99.9% CRASH-FREE SESSIONS Reported through Firebase Crashlytics	12+ YEARS Software engineering, product delivery and applied AI leadership
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Metric context: RingID figures are historical first-party platform records demonstrating the scale and production environment during my contribution period; they are not presented as outcomes attributable to one individual.

CORE EXPERTISE

Applied AI and Voice Automation	Software Product Engineering	Android: Java, Kotlin, Jetpack	Scalable Digital Platforms
Firebase, Crashlytics and Analytics	APIs, Cloud and System Integration	Product Strategy and Agile Delivery	Reliability, Testing and Governance

PROFESSIONAL EXPERIENCE

Technical Product Lead | Tipaload Pty Ltd

Sydney, Australia | Dec 2025 - Present

- Lead digital-product strategy, technical requirements and delivery coordination across customer, partner, web, mobile and administrative systems for an Australian freight and construction-logistics platform.
- Lead applied-AI initiatives across voice-based ordering, abandoned-order follow-up, provider onboarding, operational verification, workflow automation and AI-assisted exception or variation detection.
- Design production controls around AI-enabled workflows, including structured information capture, deterministic validation, authority boundaries, duplicate-action prevention, outcome verification and human escalation.
- Coordinate engineering, operations, finance, marketing and external technology partners to convert complex operational requirements into testable, production-ready solutions.
- Guide product reliability, release readiness, analytics, payment workflows and customer and partner experience improvements across the platform ecosystem.

Lead Android Engineer and Project Coordinator | IPVision Soft Ltd.

Remote from Australia | Sep 2023 - Jun 2025

- Led Android feature development and release delivery using Java, Kotlin, Android SDK, Jetpack, Firebase and modern application architecture.
- Coordinated development schedules, task allocation, sprint planning, milestone tracking, testing and cross-functional delivery across engineering and product teams.
- Led quality activities across integration, regression and user-acceptance testing, supporting defect resolution and production-release readiness.
- Modernised legacy Android modules, supported cloud and backend integration, reviewed code and mentored junior engineers.

Software Engineer - Android | IPVision Soft Ltd. - RingID and RingID Live

Dhaka, Bangladesh | May 2016 - Mar 2023

- Contributed to Android feature delivery, system integration, performance optimisation, analytics and stability monitoring for global communication, social and live-engagement platforms.
- Implemented and supported features including virtual gifting and coin-based engagement, live product gifting, social-investment functionality and RingID Agent workflows.
- Used Firebase Analytics and Crashlytics to investigate application behaviour, troubleshoot defects and support performance and stability improvements across production releases.
- Performed integration and regression testing, supported Google Play releases and collaborated with product, backend, design and QA teams across international delivery environments.

- Mentored team members and contributed to technical coordination, release planning and sustained platform quality during periods of substantial user growth.

ICT Officer | APEX Community Development Organisation

Dhaka, Bangladesh | Sep 2015 - Mar 2016

- Managed website and internal digital systems, coordinated software testing and user-acceptance testing, and supported implementation of digital tools in a community-development environment.
- Prepared test plans and defect records, monitored data integrity and supported web-system deployment and change management.

Android Developer | Atomix System Ltd.

Dhaka, Bangladesh | Feb 2014 - Jul 2015

- Designed, developed and maintained Android applications in Java, including user interfaces, REST API integrations, third-party SDKs, testing, security and release documentation.
- Worked in Agile and distributed product teams to translate business requirements into stable mobile functionality.

SELECTED CASE STUDIES

RINGID AND RINGID LIVE - INTERNATIONAL-SCALE MOBILE ENGINEERING

Contributed to Android engineering and production delivery for global communication and social platforms available across 177 countries. During the relevant contribution period, Firebase Analytics recorded more than 9 million new users and Firebase Crashlytics reported 99.9% crash-free sessions. My work covered feature implementation, integrations, platform reliability, analytics, regression testing, international releases and technical mentoring.

TIPALOAD - AUSTRALIAN APPLIED-AI AND PRODUCT LEADERSHIP

Lead applied-AI and digital-product initiatives that connect voice interactions to operational systems. Work includes structured ordering, provider and customer communications, service verification, variation detection, payment and escalation controls, platform integrations and measurable workflow improvement. The focus is on moving AI beyond demonstrations into dependable production systems with validation, governance and human oversight.

RESEARCH, EDUCATION AND RECOGNITION

Master of Computer Science - Big Data and Machine Learning | University of

Wollongong

Australia | 2024

- Completed with Distinction, with postgraduate study focused on machine learning, big data and practical data-driven systems.
- Recipient of a Postgraduate Academic Excellence Scholarship and a Leadership Award; served as a postgraduate student representative.
- Selected projects included aspect-based movie sentiment analysis using a Bi-GRU model and machine-learning-based intrusion detection.

National ICT Research Fellowship | ICT Division, Government of Bangladesh

Postgraduate Research

- Selected through a national government-funded fellowship program to undertake postgraduate research in multilingual semantic machine translation and language technologies.
- Research foundation in natural-language processing, semantic systems and multilingual computing supports current work in applied AI and production automation.

Bachelor of Science in Computer Science | American International University-

Bangladesh

Bangladesh | 2013

- Graduated Magna Cum Laude with a CGPA of 3.94/4.00.
- Founder Member and Honorary Life Member of the AIUB Computer Club, contributing to technology community development and student engagement.

TEACHING, MENTORING AND CONTRIBUTION TO AUSTRALIA

- Contribute contractually to technology education within Australian higher education, connecting academic concepts with practical software, AI and product-delivery experience.
- Mentor university students through Practera programs and support Australian students, interns and early-career professionals through structured industry-placement programs.
- Supervise and mentor emerging professionals across software engineering, data analysis, business analysis, AI and automation, with emphasis on practical skills, workplace readiness and professional confidence.
- Previously taught computer-science and programming subjects at the American International University-Bangladesh.

TECHNICAL SKILLS

Applied AI: Voice agents, NLP workflows, AI-assisted verification, workflow automation, validation, governance, exception handling and human escalation.

Engineering: Java, Kotlin, Python, Android SDK, Jetpack, MVVM, REST APIs, Firebase, AWS, SQLite, Room, Git and cloud integrations.

Quality and Reliability: Firebase Crashlytics, analytics, regression testing, integration testing, UAT, JUnit, Espresso, Appium, Postman

and release management.

Product and Leadership: Requirements analysis, product strategy, Agile delivery, Jira, stakeholder coordination, technical mentoring, cross-functional leadership and operational optimisation.