

BRUCE DUNBAR

Software Quality & Product Delivery Leader

QA Leadership • Technical Program Management • B2B SaaS • Integrations • Mobile & Enterprise Platforms

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PROFESSIONAL SUMMARY

Results-driven QA leader with 19+ years of experience building and scaling quality organizations across web, mobile, and enterprise platforms. Proven track record of standing up QA disciplines from the ground up, leading cross-functional teams, and serving as a key product liaison with international partners. Deep expertise in Agile/Scrum methodologies, CI/CD pipelines, microservices architecture, and test automation across Flutter, React, and .NET platforms. PMP-certified with an MBA and strong business acumen.

SELECTED IMPACT

- Built Moovila's QA discipline from first QA hire into a multi-person quality organization supporting web, mobile, backend, integration, and release functions.
- Led quality strategy for enterprise SaaS platform evolution across React, Canvas, Flutter, microservices, and mobile architectures.
- Supported delivery of 12+ strategic integrations, including ConnectWise, Autotask, Halo, QuickBooks, Salesforce, Jira, HubSpot, Google Calendar, Microsoft 365, Box, Dropbox, SharePoint, and Google Drive.
- Served as product and delivery liaison for international enterprise partner Komatsu Japan, leading sprint demos, Scrum enablement, and mobile platform validation.
- Owned production deployment readiness, release quality, environment promotion, and go/no-go coordination across engineering and product leadership.

PROFESSIONAL EXPERIENCE

Moovila Mt Pleasant, SC

VP of Quality Aug 2018 – Present

■ *Integrations & MSP Market Focus (Mid 2022 – Present)*

- Spearheaded deployment of 12+ two-way integrations (ConnectWise, Autotask, Halo, QuickBooks, Salesforce, Jira, HubSpot) and additional connections (Google Calendar, Outlook, Box, Dropbox, SharePoint, Google Drive) to strengthen the company's position in the Managed Service Provider market.
- Architected and managed build promotion workflows across 4 lower environments and production, ensuring release quality and deployment reliability.
- Delivered a Moovila read-only API, expanding the platform's integration ecosystem for external partners.

■ *Komatsu Partnership & Mobile Platform (Aug 2018 – Mid 2022)*

- Served as primary product liaison with Komatsu Japan; conducted biweekly recorded sprint demos and trained the Komatsu team on Scrum processes and best practices.
- Led QA for a Flutter mobile app (iOS/Android) featuring BLE-based machine operating time tracking (patented technology), geo-location automatic time recording, QR code fuel tracking, complex clock in/out logic with offline-capable data synchronization, and daily report generation and distribution.
- Scaled and mentored the QA engineering organization; established testing standards and quality frameworks for mobile and backend services.
- Instrumental in testing and validating the transition from a monolithic architecture to a microservices architecture, ensuring stability across distributed services.
- Led QA through a full platform rewrite from React to Canvas to eliminate DOM constraints, and subsequently oversaw the transition to the Flutter-based architecture.

- Managed all production deployments, coordinating release schedules and go/no-go decisions with engineering and product leadership.

Director of QA Dec 2016 – Aug 2018

- First QA hire at the company; built the quality assurance discipline from the ground up, establishing testing processes, standards, and tooling.
- Served simultaneously as Scrum Master and Product Manager during early-stage product development, driving sprint planning, backlog grooming, and stakeholder alignment.
- Established the sprint demo cadence and culture of transparency, conducting regular demonstrations for stakeholders and the broader team.
- Led QA through rapid product iteration during product-market fit exploration on the React-based platform.

SPARC, an Agile Systems Delivery Hub of Booz Allen Hamilton Charleston, SC

Sr. Software Quality Assurance Manager Nov 2015 – Dec 2016

- Led a team of QA Analysts and Engineers delivering quality across the full Agile SDLC; provided technical guidance on test plan development, execution, and aggregated quality metrics reporting.
- Structured career growth paths for QA team members and created opportunities for technical learning and advancement.

Software Quality Assurance Manager Nov 2014 – Nov 2015

- Managed QA team through Agile sprints, overseeing test planning and execution while reporting on project quality metrics to stakeholders.

Automation Test Engineer May 2014 – Nov 2014

- Served as Automation Test Engineer on the Veteran Benefits Management System (VBMS) initiative.

Life Cycle Engineering Charleston, SC

Configuration Manager – Air Mobility Command Dec 2012 – May 2014

- Managed application configuration, assets, and baselines; provided customer visibility into agile project status for the Air Mobility Command program.

Lead Load & Performance Tester – VA Chapter 33 Apr 2012 – Dec 2012

- Led weekly load and performance testing on the Chapter 33 Post-9/11 GI Bill application; designed and executed 2,000-user LoadRunner scripts and reported results to PMO.

Lead QA Agent – JEOD-DSS Nov 2010 – Apr 2012

- Led QA on the Joint Explosive Ordnance Disposal Decision Support System, a high-visibility Congressional Oversight project; created and executed DoD test plans across functional, load, and performance testing.

Lockheed Martin Charleston, SC

Sr. System Security Analyst Feb 2010 – Oct 2010

- Provided QA support for the Department of Veterans Affairs; collaborated with the VA to improve their SDLC and assisted in developing their first automated testing suite using Scrum.

Blackbaud, Inc. Charleston, SC

Quality Assurance Analyst III Jan 2006 – Feb 2010

- Led QA for The Raiser's Edge 8 on the .NET platform; coordinated development, design, and documentation teams to deliver an enterprise-level fundraising solution following Scrum practices.

EDUCATION

Master of Business Administration | University of South Carolina | May 2011

International Business Certificate

Bachelor of Science in Computer Science | Appalachian State University | Dec 2006

CERTIFICATIONS

- PMI – Project Management Professional (PMP), 2013 – Current
- IIST – Certified Software Testing Professional
- CompTIA – Security+
- Red Hat Certified System Administrator

TECHNICAL SKILLS

Platforms & Frameworks: Flutter (iOS/Android), React, .NET, Canvas

Tools & Infrastructure: Azure DevOps, AWS (ECS), SQL Server, MongoDB (Studio 3T), CI/CD Pipelines, Git

Methodologies: Agile/Scrum, Test Automation, Load & Performance Testing (HP LoadRunner), Microservices Architecture, API Integration Testing

Languages: SQL, HTML, C#, Java, PHP

Integrations: ConnectWise, Autotask, Halo, QuickBooks, Salesforce, Jira, HubSpot, Google Workspace, Microsoft 365, Box, Dropbox, SharePoint

LEADERSHIP

Eagle Scout | Senior Patrol Leader, Troop 357 (50+ scouts)

Cub Scouts Den Leader | Pack 9, Charleston, SC

- Lion Den Leader for son's Cub Scout den (2024 – 2025)
- Tiger Den Leader (2025 – Present); guiding scouts through rank advancement, outdoor skills, and character development