

# Abduljaleel Al Rubaye, Ph.D.

## Product Manager | AI & Data-Driven Solutions | Quality Assurance Expert

Orlando, FL | 321-368-1081 | [rabiei140@gmail.com](mailto:rabiei140@gmail.com) | [ajrubaye@gmail.com](mailto:ajrubaye@gmail.com) | [linkedin.com/in/aalrubaye/](https://www.linkedin.com/in/aalrubaye/)

### Profile

---

Product Manager with a Ph.D. in Computer Science and expertise in product strategy, roadmap execution, cross-functional leadership, stakeholder alignment, agile delivery, and customer-centric innovation. Skilled at defining and managing product lifecycles, driving adoption of new features, and delivering scalable solutions that align with business goals and user needs.

Complementing this, I bring strong technical depth in data science, big data analytics, NLP, and ML integration. Proficient at turning complex datasets into actionable insights, enabling intelligent decision-making, and shaping AI-driven product strategies. Recognized for combining strategic leadership with technical expertise, I focus on building impactful, data-informed products that streamline workflows and create lasting business value.

### Skills

---

- **Product Management & Strategy:** Roadmap Development, Agile/Scrum (Certified CSPO), Stakeholder Alignment, Requirements Prioritization, Release Management
- **AI & Automation:** AI Product Strategy, Workflow Automation, Intelligent Dashboards, Multi-Language Support
- **Data Science & Analytics:** Big Data Processing, Predictive Modeling, NLP, Machine Learning, ETL Pipelines, Data Visualization
- **Leadership & Collaboration:** Cross-Functional Team Leadership, Process Optimization, Mentorship, Customer-Centric Innovation
- **Technical Strengths:** SaaS Product Management, Quality Engineering Strategy, Automation Frameworks, Regulatory Compliance

### Experience

---

#### ZS Associates | Product Manager | Orlando, FL | Aug 2024 – Present

- **Strategic Roadmap & Execution** – Define and manage high-impact product roadmaps, aligning initiatives with business objectives, customer needs, and market trends.
- **AI & Data Science Integration** – Oversaw the rollout of NLP-driven insights, predictive analytics, and intelligent automation features, expanding accessibility and driving adoption across global markets.
- **Customer-Centric Innovation** – Guided delivery of dashboards and reporting tools that transform raw data into actionable insights, helping stakeholders identify trends, sentiment shifts, and strategic opportunities.
- **Cross-Functional Leadership** – Partnered with engineering, UX, and domain experts to accelerate delivery, streamline feature lifecycles, and introduce scalable configuration and feature flagging.
- **Agile Delivery & Process Optimization** – Enhanced backlog management, sprint planning, and stakeholder alignment, reducing time-to-market for high-value features.
- **Business Impact** – Positioned the product for scalability and adaptability across multiple therapeutic areas and geographies, balancing innovation, compliance, and user experience.

#### ZS Associates | Product and Test Consultant | Orlando, FL, Jul 2021 – Jul 2024

- Led end-to-end quality strategy for enterprise SaaS solutions, collaborating with engineering, UX, and product teams to ensure features met both technical and business goals.
- Partnered with product managers and clients to clarify requirements, align testing with roadmap priorities, and provide input on feature design and usability improvements.
- Contributed to release planning and backlog discussions, advising on risk, scope, and sequencing to optimize delivery timelines.
- Engaged with stakeholders and client teams to communicate quality status, gather feedback, and translate user needs into actionable testing and enhancement recommendations.
- Provided data-driven insights on defects and user experience trends that informed future roadmap decisions and product enhancements.
- Built automation frameworks and validation processes that supported faster iteration cycles and improved release predictability.

**Medullan Inc | Principal Software Engineer | Orlando, FL, Apr 2016 - Jul 2021**

- Led and managed quality assurance activities for a diverse portfolio of medical solutions, including Security Testing, Load Testing, and Stress Testing, ensuring the highest level of product quality and adherence to regulatory standards.
- Conducted rigorous performance testing and implemented robust test automation for various testing types.
- Validated the functionality and reliability of critical software products through different testing methodologies, contributing to the successful launch of high-impact medical solutions.
- Leveraged Big Data analysis techniques with Google Analytics and Tag Manager for meaningful insights, guiding data-driven decision-making processes.
- Provided specialized support for mobile application development on Android and iOS platforms, ensuring the delivery of user-friendly and high-performance applications.

**Intelligent Agents Lab at UCF | Researcher | Orlando, FL, Jan 2018- Dec 2023**

- Developed and implemented agent-based models to simulate complex systems and behaviors, enhancing decision-making processes through data-driven insights.
- Conducted large-scale data analysis and big data processing.
- Designed and optimized data models for various research projects, ensuring efficient data storage, retrieval, and analysis.
- Collaborated with interdisciplinary teams to integrate machine learning algorithms into intelligent agent systems.
- Statistical analysis and data visualization, creating comprehensive reports and dashboards to communicate findings effectively.
- Implemented data pipelines and ETL processes to ensure seamless data flow from raw data collection.
- Participated in the development and testing of AI-driven solutions, contributing to innovative research projects aimed at solving real-world problems.

**BioComplex Laboratory at Florida Tech | Researcher | Melbourne, FL, Aug 2013 - Mar 2016**

- Developed a Python-based data crawler to mine big data from web sources, storing results in MongoDB, Oracle, and SQLite.
- Designed and optimized data storage solutions and implemented efficient data pipelines and ETL processes.
- Utilized Gephi and Twitter REST API for extracting and visualizing health-related social networks based on term co-occurrence.
- Employed machine learning algorithms for analyzing complex datasets.
- Created interactive dashboards and reports using Python, R, and other visualization tools, effectively communicating findings.

**Al-Serat | Lead Software Developer | Najaf, Iraq, Jun 2011 - Dec 2012**

- Led PHP backend development for dynamic websites, with a focus on database interactions.
- Designed and developed user-friendly websites and web-based applications, integrating MySQL databases.
- Developed and managed database administration systems using MySQL, maintaining data integrity and performance.

**University of Babylon | Research Assistant | Hilla, Iraq, Nov 2008 - Jun 2009**

- Programmed and integrated a robot simulation software utilizing the D-Star algorithm to implement heuristic search in an undefined environment, using C#, C++, Oracle, and Visual Basic.
- Served as a teaching and grading assistant in the Computer Science Department lab.
- Acted as a code reviewer and software tester, debugging, testing, and evaluating applications written in various programming languages.

**Umm Al Qura Institution | UX Designer & Software Engineer | Najaf, Iraq, Nov 2007 - Jun 2011**

- Designed websites and application user interfaces.
- Conducted usability testing and user research to gather feedback and improve interface designs.
- Collaborated with cross-functional teams to ensure seamless integration of design elements and functionality.
- Created wireframes, mockups, and prototypes to communicate design concepts to stakeholders.

**Qatra-Studio Group | Software Engineer | Najaf, Iraq, Jan 2005 - Nov 2007**

- Developed web-based applications and multimedia content.
- Mentored, trained, and supervised new web developers.
- Conducted code reviews and provided constructive feedback to enhance code quality and maintainability.
- Assisted in project planning and management, contributing to successful project completion and client satisfaction.

## Education

---

- University of Central Florida, Orlando, FL | **Ph.D. Computer Science** | Aug 2017 - May 2024
- Florida Institute of Technology, Melbourne, FL | **Master, Computer Science** | Aug 2013 - May 2016
- University of Babylon, Al-Hilla, Iraq | **Bachelor of Science, Computer Science** | Aug 2005 - Jul 2009

## Publications

---

- **"Popularity and Discourse in Tech-Related Online Communities"**  
*Social Network Analysis and Mining 14.1 (2024): 146.*
- **"How Popularity Shapes User Interactions in Tech-Related Online Communities"**  
*The 2023 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2023), Kusadasi, Turkey, Nov 2023*
- **"Improving Code Review with GitHub Issue Tracking"**  
*The 2022 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2022), Istanbul, Turkey, Nov 2022*
- **"Scoring Popularity in GitHub"**  
*The 2020 International Conference on Computational Science and Computational Intelligence (CSCI 2020), Las Vegas, NV, Dec 2020*
- **"A Popularity-Based Model of the Diffusion of Innovation on GitHub"**  
*The Computational Social Science Society of the Americas (CSS 2018) Santa Fe, NM, Oct 2018*
- **"Social-Sensor Networks"**  
*A chapter in the book (Internet of Things and Big Data Analysis), 2016*
- **"Extracting Social Structures from Conversations in Twitter"**  
*27th ACM Conference on Hypertext and Social Media, Halifax, Canada, July 2016*