

Shrirang Kulkarni

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PROFESSIONAL SUMMARY

IT Business Analyst with 4 years of experience in enterprise systems, SAP FICO, and system integrations. Proven track record eliciting requirements, developing user stories, and translating business needs into functional specifications. Designed SAP workflow automations and API-integrated data exchanges at TCS, improving process efficiency by 15%. Built Power BI dashboards and data flow documentation increasing visibility by 25%. Applying business analysis and enterprise platform expertise at Waters Corporation to drive infrastructure-aligned, data-backed process improvements.

WORK EXPERIENCE

Business System Analyst

May 2026 - Present

Waters Corporation

Milford, MA

- Drove global SAP Joule-Copilot integration strategy by developing cost-benefit and risk analyses, securing alignment across business, IT leadership, and CIO stakeholders
- Automated 5 SAP maintenance and inventory workflows by building custom Joule Skills integrating SAP PM/MM data, reducing manual validation effort
- Mapped 10+ L3 ERP processes using BPMN and Visio, translating design workshops into current/future-state workflows.
- Translated business requirements into 20+ Jira user stories and functional specifications, enabling development teams to deliver SAP AI solutions with reduced rework
- Created 15+ training and communication materials for ERP process changes, improving stakeholder adoption and change readiness.
- Supported 5+ UAT cycles by validating requirements, coordinating defect resolution, and improving test readiness.
- Supported change plans across 3+ initiatives by coordinating stakeholder communications, process updates, and user guidance.

AI Fellowship

Jun 2025 - May 2026

Handshake AI

Remote, CA

- Evaluated 15+ AI projects across coding, STEM, reasoning, and multimodal tasks, improving model quality through structured feedback.
- Assessed 100+ coding outputs and complex PRs for correctness, reasoning, and code quality across software repositories.
- Built 10+ evaluation rubrics for professional AI tasks, translating domain expertise into measurable quality criteria.
- Ranked 100+ AI responses across STEM and technical tasks, identifying hallucinations, reasoning gaps, and instruction failures.
- Designed 20+ adversarial prompts and QA pairs to expose model failures in web search, reasoning, and multimodal understanding.

Operational Analyst - Part time

Sep 2024 - May 2025

Aramark - Clark University

Worcester, MA

- Processed 10–15 invoices daily within ERP system, maintaining accurate financial records and ensuring 100% on-time payment workflow compliance across a 30-member department.
- Managed daily inventory tracking and stock replenishment across a medium-sized stockroom, eliminating stockout incidents by maintaining consistent restocking cadence and ERP-logged supply levels.
- Developed a SQL query to automate manual data entry for inventory records, reducing data processing time and eliminating repetitive input errors across daily stock updates.
- Identified and resolved 4–5 inventory gaps per cycle, reducing per-item lead time by ~15 minutes and improving operational throughput for food supply workflows.
- Conducted daily inventory audits by cross-referencing ERP data with physical stock counts, maintaining data accuracy and flagging discrepancies for timely resolution.

System Engineer

Apr 2021 - Jun 2023

Tata Consultancy Services

- Conducted requirements elicitation and use case development with Switzerland's government railways stakeholders, producing detailed business and technical specifications that reduced rework cycles by 20%.

- Designed and implemented SAP system integrations and middleware workflows using BPMN 2.0 in Camunda and EA-Sparx, documenting data exchanges and API interaction patterns that improved process efficiency by 15%.
- Developed Power BI dashboards, KPI reports, and systems maps in Visio and Lucidchart reflecting current and future-state processes, increasing business process visibility by 25%.
- Crafted quality checks for processes by using SAP solution manager which improved defect detection during UAT by 20%.
- Conducted backlog grooming and authored user stories, acceptance criteria, and sprint requirements in JIRA, enabling clearer sprint planning and shortening delivery timelines.
- Automated log parsing by developing Python scripts resulted in saving 5 hours per week and detecting 15% more test failures early.
- Developed onboarding technical documentation using Microsoft Word and PowerPoint, reducing ramp-up time for new colleagues

SKILLS

Frameworks & Libraries: BPMN 2.0, Camunda, EA-Sparx

Tools & Software: Power BI, Tableau, Microsoft Excel, PowerPoint, Word, Visio, Lucidchart, SAP Solution Manager, Jira, Confluence, Miro, SAP Joule

Data Skills: Data Modeling, ETL and ELT Concepts, Data Validation, Data Cleaning, Visualization, Process Automation

Core Competencies: Requirements Elicitation, Business Process Modeling, API Integrations & System Interoperability, Solution Documentation, Reporting & Documentation, Workflow Optimization, Agile Methodology, Cross-functional Collaboration

PROJECTS

AI Powered Weight Planner

- Built and deployed an AI-powered fitness planning application on AWS PartyRock, enabling users to receive personalized progress analysis and weekly action plans from four health input variables.
- Designed multi-input generative AI workflows integrating current weight, goal weight, fitness goal, and target date to produce dynamic, context-aware coaching recommendations at scale.
- Reduced manual coaching touchpoints by implementing an AI fitness coach chat interface that delivers ongoing, conversational health guidance in real time

EDUCATION

Clark University

Master Of Science, Information Technology

Aug 2023 - May 2025

University of Mumbai

Bachelor Of Engineering, Mechatronics

Aug 2017 - Oct 2020

CERTIFICATIONS & ACHIEVEMENTS

- AWS AI Practitioner - AWS
- McKinsey Forward Program Fellowship - McKinsey