

GIDEON AWOLESI

Human Factors Engineer | Usability Engineering Lead | Product Designer

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PROFILE

Human Factors Engineer and senior product designer with 10+ years across regulated healthcare, medical-device usability, diagnostics, critical-care software, enterprise SaaS and AI-assisted product workflows. Strong at translating use-related risk, task analysis and clinical or laboratory workflows into safer interaction design, Human Factors design inputs, requirements traceability and usability evidence. Experienced planning formative evaluations, workflow reviews and usability studies with product, engineering, quality, regulatory and clinical stakeholders.

SPECIALISATIONS

Medical-device HFE	Philips, QIAGEN and Bayer experience across clinician-facing workflows, molecular diagnostics, critical-care software, monitoring, setup, alarms, error recovery and healthcare operations.
Standards and risk	IEC 62366-1 usability engineering, use specification, task analysis, URR/UFMEA, risk-control translation, ISO 14971-aware risk integration, traceability and regulated-product evidence.
Studies and submissions	Formative study planning, usability-study materials, workflow validation, Human Factors reports, design rationale and support for controlled launch or submission activities.
Connected health product work	Software and connected-system UX spanning diagnostics, patient/clinician workflows, dashboard/data review, medication-support concepts, accessibility and AI-assisted digital workflows.

CORE SKILLS

Human Factors Engineering, Usability Engineering, IEC 62366-1, FDA Human Factors guidance, ISO 14971 risk-management integration, MDR/SaMD context, use specifications, task analysis, use-related risk analysis, UFMEA, formative and summative usability evaluation, moderator guides, HF reports, IFU/training-material review, design inputs, requirements traceability, accessibility and inclusive design, QMS/process templates, product discovery, interaction design, Figma, FigJam, Miro, Jira, stakeholder workshops, mentoring, cross-functional facilitation, fluent English.

REGULATED HEALTHCARE & HUMAN FACTORS EXPERIENCE

Philips | Senior Usability Engineer

Nov 2020 - Aug 2023

Focus: Medical-device usability, clinician workflows, monitoring, setup, alarms and error recovery.

- Led usability engineering for healthcare products and clinician-facing workflows, applying human-factors methods to reduce use risk and improve clarity in complex care environments.
- Planned task analyses, workflow reviews, formative evaluations and usability-study materials for monitoring, setup, alarm and error-recovery flows.
- Translated user needs, use errors and safety risks into Human Factors design inputs, UI requirements, mitigation strategies, documentation and traceability evidence.
- Partnered with product, engineering, quality/regulatory and clinical stakeholders to make usability findings actionable in design reviews, risk discussions and delivery decisions.

QIAGEN | Senior UX Designer (Usability Engineering)

Sep 2018 - Oct 2020

Focus: Molecular diagnostics, lab workflows, consumables, run preparation, reporting and maintenance.

- Designed regulated laboratory and diagnostic software workflows across sample handling, batch definition, run preparation, consumables, maintenance, reporting and error recovery.
- Converted UFMEA findings and use-related risks into UI mitigations, requirements, traceability notes and safer interaction patterns aligned to medical-device usability expectations.
- Supported contextual inquiry, formative usability validation and workflow documentation with lab users and cross-functional R&D, QA, HFE and regulatory teams.
- Created prototypes and interaction guidance for diagnostic-system workflows, helping simplify complex setup and run-management tasks for laboratory technicians.

Bayer | Senior Product Designer

May 2015 - Aug 2018

Focus: Critical-care software, ARDS support concepts, data review and healthcare operations workflows.

- Designed enterprise healthcare and clinician-facing digital products from discovery through delivery, including acute-care monitoring, medication-support concepts, dashboards and data-review workflows.
- Led user-centered design workshops and usability testing with healthcare professionals to uncover workflow needs, clinical decision-support risks and interaction breakdowns.
- Produced wireframes, prototypes, UI specifications and reusable components for complex medical and operations products, connecting stakeholder requirements to delivery-ready software.
- Developed data-visualization and feedback-loop concepts for ARDS-related software and drug-trial contexts, improving monitoring clarity and data accuracy for clinical teams.

PRODUCT DESIGN LEADERSHIP EXPERIENCE

Syndigo | Senior Manager, UX Design

Jul 2025 - Jun 2026

Focus: Enterprise SaaS, AI-assisted workflows, design systems and UX team leadership.

- Led UX strategy across enterprise SaaS products serving manufacturers, retailers and content operations teams; aligned design direction with product priorities and delivery constraints.
- Managed and mentored designers, established UX standards and strengthened collaboration between Product, Engineering and Design.
- Designed AI-assisted experiences including prompt-driven workflows, review/accept patterns, non-destructive previews, confidence indicators and feedback loops.

Mars Incorporated | Lead Product Designer

Sep 2023 - Jun 2025

Focus: Manufacturing systems, role-based workflows, dashboards, forms, validation states and design systems.

- Led product design for EFMOS and BPS manufacturing platforms, translating factory operations into role-based workflows for operators, team leads, admins and regional teams.
- Merged fragmented product UI into a scalable design system with reusable components, dashboard patterns, forms, tables, validation states, accessibility rules and design documentation.
- Designed downtime logging, production-loss analysis, KPI target settings, equipment/value-stream setup, 6M/root-cause workflows and BDA breakdown-analysis experiences.

SELECTED HEALTHCARE & HUMAN FACTORS PROGRAMS

Philips/ ConTemp/ Delta - Clinician-facing healthcare workflows covering task analysis, formative evaluation, monitoring, setup, alarm handling, error recovery and regulated usability documentation.

QIAGEN / NeuMoDx/ Qiasymphony- Molecular diagnostics workflows for lab technicians, including sample handling, run preparation, consumables, maintenance, reporting and use-risk mitigation.

Bayer / ICU Angel ARDS - Critical-care GUI concepts, real-time monitoring data visualization and clinician feedback loops for ARDS-related software and drug-trial contexts.

Ortolligence - Surgical tool-tracking mobile application using barcode scanning, surgical-team task analysis and real-time missing-tool identification.

EDUCATION & CERTIFICATIONS

Usability Engineering for Medical Devices and IEC 62366-1 | HFI Usability Analyst | Google UX Design Certificate | AI Conversation Design - Google CCAI / UX Training

M.A. International Business Relations - Vistula University | B.A. Anthropology - University of Ibadan

TOOLS & WORKING METHODS

Figma, Figma Make, FigJam, Miro, Jira, usability-test planning, study scripts, synthesis, journey mapping, information architecture, requirements documentation, design-system governance, design reviews, stakeholder workshops, product strategy sessions and cross-functional mentoring.