KUMIT BALLOL

Software Engineer | AI-Assisted Development | System Analysis

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Professional Summary

Software Engineer with hands-on experience in understanding client needs, defining system requirements, planning software solutions, decomposing projects into structured tasks, and driving testing and delivery.

Uses AI-assisted development workflows across analysis, solution planning, implementation, debugging, security review, testing, and deployment to deliver complete software projects end-to-end.

Core Competencies

- System Analysis & Requirements Definition
- Client & Stakeholder Communication
- Software Solution Planning
- Project Decomposition & Task Planning
- AI-Assisted Software Development
- Prompt Engineering
- Software Testing & Quality Assurance
- Bug Investigation & Validation
- Application Security Review & Hardening
- Team Collaboration & Project Coordination
- End-to-End Software Delivery

AI & Development Tools

ChatGPT • Claude • Cursor • Codex • GitHub Copilot • Git • Jira • VS Code

Experience

VORTEX

Co-Founder & Software Engineer **May 2026 – Present**

Software and digital solutions providing custom software, website design and development, web hosting, Smart QR services, and digital menu solutions.
Work across client projects from requirements analysis and system architecture through AI-assisted development, testing, security review, deployment, and delivery.

Projects

Bink — Education Platform | Flutter, Laravel

- Multi-role platform connecting students, independent teachers, and educational institutes.
- Planned and architected the system, contributed to AI-assisted implementation, and performed functional and regression testing.

Smart Wristband — NFC Child Management System | Flutter, Telegram Bots, NFC

- Connected system for managing child-related workflows across parents, staff, and vendors.
- Planned and architected the solution, developed its workflows and functionality, tested the system end-to-end, and delivered the final product.

Smart Control — Mobile Device Control System | Flutter, Laravel, ESP32

- Mobile-to-hardware system for controlling compatible electronic devices through ESP32.
- Planned and architected the solution and tested the core hardware–software interaction workflows.

Eco Sourcing Hub Ltd — United Kingdom | Remote
Software Engineer **April 2024 - Present**

- Worked across software engineering and systems analysis, collaborating with management to understand business needs, define project scope, structure requirements, break down work into clear phases, and plan delivery.
- Contributed to AI-enabled systems for customer support, content automation, knowledge retrieval, and operational workflows.
- Contributed to data-driven sustainability software involving automation, backend workflows, and AI-supported processing.
- Performed software testing, bug investigation, regression analysis, security review, and system hardening across multiple projects.
- Coordinated tasks, technical follow-up, and project progress with team members and management.
- Planned and coordinated software systems end-to-end, from understanding client requirements and defining project scope through task decomposition, implementation, testing, deployment, and final client handoff.

Machine Learning Projects

- **Breast Cancer Classification — Graduation Project**
  Developed and evaluated a machine learning classification model for identifying breast cancer cases based on structured input features.
- **Handwritten Digit Recognition**
  Developed a machine learning model for recognizing and classifying handwritten digits from image inputs.
- **Sentiment Analysis**
  Developed and evaluated an NLP-based classification model for analyzing text and identifying sentiment.

Education

Bachelor's Degree in Informatics Engineering – Software Engineering and Information Systems
Graduated in 2025 from Homs University – Syria

Languages

Arabic: Native | **English**: Intermediate