

CLEMENT HANSEL

Springlake Apartment C2019 - Kota Bekasi, West Java, Indonesia

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PROFILE

Results-driven Software Engineer and IoT Project Manager with a robust background in full-stack development, systems architecture, and smart technology deployment. Graduate of RevoU's Software Engineering Bootcamp with hands-on experience in AI dashboards, real-time monitoring systems, and full-cycle IoT solution delivery. Proven success leading national-scale smart city projects, integrating hardware-software systems, and collaborating with government and industry stakeholders.

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Python, HTML5, CSS3, SQL
 - **Frameworks/Libraries:** React, Next.js, Node.js, Express.js, Tailwind CSS
 - **Databases:** PostgreSQL, MongoDB (basic), Firebase (basic)
 - **Tools:** Git, GitHub, Docker (basic), Postman, VS Code
 - **Concepts:** REST API, MVC, Responsive Design, IoT Integration, LoRa, MQTT
 - **Development Methodologies:** Agile, Scrum
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PROFESSIONAL EXPERIENCE

Project Manager – IoT & Smart Systems

PT. Batukarang Kenan Abadi – Pekanbaru, Indonesia

Apr 2024 – Present

- Led development and delivery of IoT solutions for smart city and industrial use cases.
- Managed software-hardware integration across cross-functional teams.

- Delivered 3 MVP systems featuring sensors, GPS, GSM, and real-time dashboards.
- Oversaw end-to-end execution including vendor coordination, budgeting, and deployment.

Project Manager – IoT & Smart Systems

PT. Karya Gemilang Utama – Jakarta, Indonesia

Apr 2023 – Mar 2024

- Delivered Weigh-in-Motion (WIM) systems for Palembang, Pekanbaru, and Siantar.
- Led hardware/software integration and deployment with a lean technical team.
- Coordinated with government stakeholders to address technical and operational issues.

Technology Specialist (Probation)

PT. Karya Gemilang Utama – Jakarta, Indonesia

Feb 2023 – Apr 2023

- Built internal monitoring tools using Node.js and Firebase.
- Assisted in sensor calibration, field deployment, and WIM testing.
- Defined technical specs for software components and integration points.
- Researched WIM technologies to enhance product strategy.

Sous Chef

Shikaku - Hotel Dharmawangsa – South Jakarta, Indonesia

Nov 2022 – Jan 2023

- Managed kitchen operations in a **5-star hotel**, leading a culinary team with strict quality standards.
- Assist Head Chef in daily operational.
- Assist menu pairing for special occasion and bookings.
- Submit purchase orders daily.
- Cost Control and stock taking.

- Submit Attendance and related man power issues.
- Train staff to handle new menu and operational guidelines.

Sous Chef

Habitate – Jakarta, Indonesia

Sep 2021 – Oct 2022

- Supervised kitchen teams, trained junior chefs, and maintained **operational excellence** in a fast-paced environment.
- Make schedules, purchase orders and attendance report.
- Create menu pairing for banquet, breakfast, meetings and special events.
- Create new menu proposal every 3 months.
- Assist Head Chef in management meeting as needed.
- Handle complain and any related customer issues.
- In charge of VIP and overall operational during high profile events.
- Communicate to management on behalf of Head chef as needed.

Cook

Delicatesse Bistro – Tangerang, Indonesia

Feb 2020 – Oct 2021

- Delivered consistent food quality under pressure, ensuring guest satisfaction.

Assistant Sales Manager

Creatrix Interior – Jakarta, Indonesia

Dec 2016 – Jan 2019

- Managed **B2B and B2C** client accounts, strategized marketing campaigns, and improved client retention.

Sales & Marketing Executive (Contract)

PT. Multiviscomindo – Jakarta, Indonesia

Sep 2015 – Jun 2016

- Handled **government procurement**, product demos, and digital campaigns for digital printing products

Assistant Restaurant Manager

Planet Holiday Hotel – Batam, Indonesia

Jul 2014 – Jan 2015

- Act as Restaurant Manager until the position is filled
- Supervised restaurant team, ensuring **top-tier service delivery** and daily operations.
- Responsible for cost control, training, staff related issues, and complain.
- Ensure high customer satisfaction and operational standard.
- Report directly to General Manager
- Work with Sales and Marketing Manager, Front Office Manager, and Duty Manager for restaurant related campaign.

Cook (Seasonal)

Kuala Lumpur Convention Centre – Kuala Lumpur, Malaysia

Nov 2012 – May 2014

- Prepared meals for **high-volume events**, collaborating across teams for efficient delivery.

Junior Sous Chef

Chow Woodward St – Wellington, New Zealand

Nov 2010 – Dec 2011

- Assist Head Chef in Shift operational.
- Make sure the food delivered on time with the highest standard.
- Stock taking and ordering.
- Train new staff.

- Solving all issues during the shifts and report to Restaurant Manager.

Cook

Palm Malaysian Bistro – Lower Hutt, New Zealand

Oct 2009 – Nov 2010

Held leadership roles in 4–5 star restaurants and hotels (Sous Chef, Cook, Assistant Restaurant Manager) across New Zealand, Malaysia, and Indonesia.

- Developed strong leadership, communication, and operations management skills.
 - Transitioned into the tech sector in 2023 to focus on IoT and systems engineering.
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PROJECT EXPERIENCE

PasarAI eCommerce Platform (*RevoU Final Project*)

- Built AI-assisted eCommerce platform with dynamic currency adjustment based on geolocation.
- Integrated search, recommendation, and support tools using AI agents for admin, buyers, and sellers.

Disaster Mitigation & Monitoring Platform

- Developed an AI-powered anomaly detection tool with GIS visualization and automated alerts.
- Enabled emergency coordination via modular filtering, live data analysis, and real-time warnings.

Buoy System for Coastal Monitoring

- Integrated GPS, LoRa, and GSM into a weather and sea monitoring system.
- Built a Next.js dashboard for real-time data visualization and analysis.

Structure Health Monitoring System

- Created React + Chart.js tools for infrastructure condition monitoring.
- Implemented real-time alerts and filterable data layers.

Weigh-in-Motion Sensor with Lidar

- Engineered Piezo Electric + Lidar-based sensor system to detect truck weight/dimensions.
 - Built backend with Node.js and MongoDB and integrated with government databases.
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EDUCATION

Software Engineering Bootcamp — RevoU

Completed: 2025

Bachelor of Culinary Arts & Food Service Management (Hons)

Taylor's University, Malaysia – 2014

Certificate in Food & Beverage Preparation (Level 4)

WelTec, New Zealand – 2010

CERTIFICATIONS

- Software Engineering Certificate — RevoU (2025)
 - Licence Professionnelle — Culinary & Food Service Mgmt., Toulouse II University, France
 - Delf A1 — French Language (Beginner Level)
 - Food Safety Certificate — Wellington Institute of Technology
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LANGUAGES

- **English:** Professional Proficiency
 - **Bahasa Indonesia:** Native
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ACHIEVEMENTS

- Creating Weigh in Motion System requirement for Indonesian Ministry of Transportation.
- Successfully implement Weigh in Motion System in Palembang, Pekanbaru and Siantar.
- Centralized UPPKB data across Indonesia into one unified system.

- Raised RM150,000+ in 1 week for HOPE Kuala Lumpur fundraising project.
 - Selected for **STEP Malaysia** leadership program bridging education and industry.
 - Presenter at Graduate Research Colloquium 2012.
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STRENGTHS

- Strong ownership, communication, and team coordination
- Proficient in IoT systems integration and real-time data handling
- Analytical problem solver with system architecture experience
- Adaptable, proactive, and focused on emerging technologies
- Consistently delivers results on time and within budget