KHALID HAMZA

Software Team Leader

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SUMMARY

Results-driven Senior Software Developer and Software Architect with 8+ years of experience designing, building, and optimizing high-performance payment systems in the FinTech industry. Proven track record in leading cross-functional teams, architecting scalable solutions, and delivering secure transaction-heavy platforms that process millions in daily volume. Expert in PHP, Laravel, Python, microservices, cloud architecture (AWS), and payment gateway integrations (MPGS, Cybersource, KNET, Apple/Google/Samsung Pay). Passionate about building robust, compliant, and user-focused systems while mentoring engineering teams to deliver innovative solutions on time.

EXPERIENCE

Tech Lead & Software Architect

UPayments • Full-time • Kuwait City, Kuwait   03/2025 - Present

- Led a team of software developers, overseeing sprint planning, code reviews, and deployments to ensure timely delivery.
- Designed and implemented secure, scalable payment solutions handling high transaction volumes.
- Established architecture standards, guided migrations, and optimized database queries to boost system performance.
- Improved team velocity by introducing agile best practices and promoting transparent communication.
- Reduced system response time and enhanced throughput by optimizing backend processes.
- Spearheaded new payment features, integrating multiple gateways and payment methods to enhance customer adoption.

Senior Software Developer

UPayments • Full-time • Kuwait City, Kuwait   01/2024 -02/2025

- Spearheaded the development of core payment platform features, optimizing database queries and application logic to boost performance and scalability.
- Mentored junior developers and led technical discussions, ensuring code quality, architectural maintainability, and a collaborative team culture.
- Collaborated with stakeholders to align technical solutions with business objectives and compliance requirements.
- boosted system throughput and reduced response time by optimizing complex database queries and backend processes.
- Helped build a stronger development culture through consistent mentoring, onboarding, and peer learning sessions.
- Played a key role in delivering new features and improving system reliability to support growing transaction volumes.

Software Developer

UPayments • Full-time • Kuwait City, Kuwait   11/2022 - 12/2023
- Maintained high code quality through clean, modular development, peer reviews, and QA testing.
- Developed a secure web-based payment application, integrating multiple gateways (MPGS, KNET) and payment methods (credit cards, Google Pay, Apple Pay) to streamline online transactions.
- Ensured compliance and optimized user experience by collaborating with product and security teams on system reliability and regulatory standards.
- Successfully launched a payment platform that supports multiple gateways and payment options, increasing customer adoption.
- Improved transaction reliability and reduced payment failures by implementing robust validation and fallback mechanisms.
- Enhanced the overall payment experience, contributing to higher user satisfaction and reduced cart abandonment rates.

Software Developer

Alessa Healthcare • Full-time • Farwaniya, Kuwait   03/2020 - 10/2022
- Developed business-critical applications using PHP (Laravel, CodeIgniter) and Python (Django), including tools for order management, product data synchronization, and workflow automation.
- Led system integrations and migrations, including the transition from Oracle ERP to Odoo, ensuring seamless data flow and operational continuity across Magento, Odoo, and Oracle.
- Cooperated with cross-functional teams to analyze business needs and deliver scalable technical solutions that optimized retail processes.
- Participated in the end-to-end Oracle-to-Odoo migration project, improving system usability and reducing operational costs.
- expanded scalable tools for product management and online order tracking, enhancing operational efficiency and customer satisfaction.
- Delivered high-impact integrations with third-party platforms, enabling real-time inventory and product sync across sales channels.

Software Developer

Sketch Media • Part-time • Remotely   06/2020 - 12/2021
- Engineered scalable backend systems using PHP, Laravel, and MySQL, designing RESTful APIs for mobile and web applications while integrating third-party services (payment gateways, SMS, geolocation).
- Ensured high system reliability by managing deployments, database migrations, and server optimizations.
- Partnered with cross-functional teams to align backend solutions with front-end designs, delivering seamless and performant user experiences.

Full Stack Developer

TechBox Group • Full-time • Kuwait City, Kuwait   08/2017 - 03/2020
- Partnered with cross-functional teams to align backend solutions with front-end designs, delivering seamless and performant user experiences.
- Architected and integrated RESTful APIs and third-party services to enhance functionality, while contributing to the full SDLC—from requirements gathering to deployment.
- Cross-functional collaboration with UI/UX designers and mobile developers to ensure seamless, platform-consistent user experiences.

Full Stack Developer

Sahalat Delivery Solutions • Part-time • Hawally, Kuwait   03/2019 - 06/2019
- Developed PHP-based systems to manage real-time driver locations and delivery assignments.
- Integrated GPS tracking and mapping APIs (Google Maps) to monitor driver movement and improve route planning.
- Enhance dispatch logic to automate order assignment based on proximity, availability, and delivery priorities.

Junior PHP Developer

Bahr Solutions • Full-time • Cairo, Egypt   01/2016 - 04/2016
- Developed and maintained PHP-based ERP modules.
- Worked with senior developers to implement business logic and improve system functionality.

SKILLS

Programming Languages & Frameworks: PHP, Laravel, Python, Django, Dart, Flutter, JavaScript, VueJS, HTML, CSS
Databases: MySQL, PostgreSQL, MongoDB
Cloud & DevOps: AWS (EC2, S3, RDS, SQS), CI/CD, Git, Jenkins, Datadog, Docker, RabbitMQ
Payment Systems: MPGS, Cybersource, KNET, Apple Pay, Google Pay, Samsung Pay, Stripe
Methodologies: Agile Scrum, Kanban, Test-Driven Development
Leadership & Management: Team Leadership, Technical Mentoring, Code Review

EDUCATION

Bachelor's in Computer Science

Thebes Academy • Cairo, Egypt   9/2011 - 07/2015
- Grade: Good
- GPA: 2.0
- Relevant coursework: Software Engineering, Database Systems, Algorithms, and Data Structures

COURSES & CERTIFICATES

- Cybersecurity Fundamentals.
- The Complete Flutter & Dart Development.
- Algorithms Analysis and Design.
- Java SE Diploma.
- PHP Development Diploma.

LANGUAGES

Arabic (Native),

English (Very Good)