JOHN ERNEST GUADALUPE

Senior Developer | Project Manager | Tech Lead

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I HAVE DEVELOPED APPS FROM THE GROUND UP, LED AND BEEN PART OF MULTIPLE TEAMS, AND ENSURED I INSPIRE LEARNING AND CREATIVE THINKING WITHIN THE TEAM AND WORKPLACE.

KEY COMPETENCE

Software Development
Android (Kotlin, Java), iOS (Swift, ObjC), Xamarin, C#, .NET MAUI,React Native, Xamarin, RESTful APIs, Realtime Apps, NextJS, AngularJS, ReactJS, NodeJS, AWS, Firebase, Supabase

DevOps
Github Actions, Firebase Distribution, TestFlight, AppCenter, Diawi, Gradle, YML, Robotium, Spoon, Espresso

Version Control
SourceTree
Github
BitBucket
Code Review
Pull Request Resolution

Usage of 3rd Party Libraries
Social Media Integration
Payment Processors
Marketing & User Analysis SDKs

Organizational applications
JIRA, Trello, Azure
Slack, Hangouts, Teams
Asana
Google Drive, Docs, Spreadsheets, Slides
Dropbox
Teamviewer
Skype

CAREER ACHIEVEMENTS

Recent Innovations & AI-Driven Features:

- **Integrated AI solutions** using **Vertex AI and OpenAI APIs** to deliver next-gen features including:
  - **Text-to-speech** and **speech-to-text** services for content automation and accessibility.
  - **Media intelligence**, extracting structured data and summaries from user-uploaded audio and video files.
  - **Generative content creation**, including dynamic product or blog descriptions based on minimal inputs.
  - **Fashion-specific image generation**, allowing clients in retail to visualize style ideas based on keywords or brand themes.
- Architected prompt engineering flows and backend pipelines to **optimize AI cost-efficiency and performance** while enabling creative flexibility for end users.
- Developed a custom Vertex AI model for a client, enabling personalized recommendations and enhancing user engagement.
- Acted as **technical advisor for clients adopting AI**, helping non-technical stakeholders understand implementation trade-offs and potentials in practical business use cases.

ASSOCIATE MANAGER at Ernst & Young GDS Philippines
January 2020 - Present

- **Designed and developed applications tailored to client needs**, collaborating with software architects and project managers on solution design and architecture planning.
- **Provided end-to-end consultancy**, including issue resolution and project oversight.
- **Led a team of developers in building a podcast application in native Android**, overseeing feature delivery, code reviews, and ensuring adherence to best practices in mobile development.
- **Mentored junior developers** and conducted knowledge-sharing sessions on Android and iOS best practices, improving overall team efficiency.
- **Built new features for a medical e-doctor application on both Android and iOS**, implementing secure teleconsultation, prescription generation, and appointment scheduling.
- **Developed an NFT/Blockchain-based wallet from scratch for logistics and supply chain certification**, integrating digital asset management, secure transactions, and cross-platform support for both mobile (Android/iOS) and web.
- Actively participated in **Scrum meetings, sprint planning, and story estimations**, providing valuable technical input to refine project scope and delivery timelines.

SENIOR MOBILE DEVELOPER at Navitaire (via NTT Data Phil)
January 2019 - January 2020

- Contributed to enhancing **Cebu Pacific's Mobile App** by developing new features, including the notable **CEB Flexi**, which improved customer booking flexibility.
- Played a key role in **bug maintenance and performance optimization**, ensuring a seamless user experience across Android and iOS.
- Actively participated in the **Agile process**, including sprint planning, daily stand-ups, and retrospectives, providing technical insights and solutions.
- **Developed and maintained cross-platform mobile applications using Xamarin C#**, leveraging its capabilities to deliver high-performance and maintainable code for both **Android and iOS**.

SENIOR ANDROID DEVELOPER at Inovotek Apps Inc.
Nov 2016 - Nov 2018

- **Led a team of developers** in **rebuilding the company's flagship application** from the ground up, implementing **modern frameworks and best practices** to enhance performance and maintainability.
- **Collaborated closely with the CEO and CTO** to define the application's **architecture and technical strategy**, ensuring alignment with business goals and market demands.
- Oversaw **new feature development** and **bug fixes**, utilizing **JIRA's sprint board** to manage tasks and ensure timely delivery.
- **Mentored junior developers**, conducting code reviews and technical training sessions to enhance the team's expertise and productivity.
- **Implemented Reactive Programming** to accelerate development cycles and ensure stable, high-quality builds across iterations.
- Spearheaded the **evaluation and integration** of third-party services such as **Firebase, Realm, Parse, and PubNub**, optimizing performance, scalability, and real-time capabilities.

SENIOR ANDROID DEVELOPER at Samsung Mobile R&D Philippines
Jun 2016 - Nov 2016

- **Mentored and tutored junior developers**, particularly in the **implementation of automated testing**, ensuring best practices and improving overall code quality.
- **Spearheaded the development** of a **Test Automation Framework** using **Espresso**, leveraging prior experience in test automation to enhance efficiency and streamline testing processes.
- **Collaborated with team members** to maintain and improve the assigned application, implementing optimizations to enhance **performance and reliability**.
- **Actively resolved critical issues**, conducting debugging and troubleshooting to ensure **seamless user experience** and system stability.

SOFTWARE ENGINEER II at KLab Cyscorpions INC.
2013 - 2016

Advanced as a beginner to a key contributor. Led application upgrades, served as lead code reviewer for sprints, and developed a test automation framework using Robotium and Spoon and additionally, mentored junior programmers to enhance their skills. This experience shaped my ability to learn rapidly, adapt to challenges, and deliver impactful results.

SENIOR IT CONSULTANT
Upwork.com (since 2013), Toptal.com (since 2015)

- **Led and managed up to 20 developers** in the largest project handled, balancing **high-pressure deadlines** in a **fast-paced startup environment**.
- Took full ownership of projects from **contract management, resource sourcing, project planning, and execution** to launch and **ongoing maintenance**.
- **Guided clients through the entire software development lifecycle**, ensuring smooth transitions from ideation to MVP, scaling, and long-term sustainability.
- **Designed and developed applications** across various technologies, creating **reusable frameworks** that accelerated development and improved maintainability.
- Implemented **modular and test automation-ready MVPs**, ensuring flexibility and future scalability.
- **Recruited, trained, and mentored outsourced development teams**, overseeing **milestones, schedules, and estimations** to ensure timely delivery.
- **Facilitated clear client communication**, providing regular updates, technical insights, and product demonstrations to align expectations and ensure satisfaction.

PROJECT PORTFOLIO:

View Portfolio

NOTABLE PROJECTS:

- ✓ Vehicle Dealership Management App
- ✓ My180 - Comprehensive Insurance Application
- ✓ Kage App - NFT Analytics Crypto Wallet
- ✓ Basketball League App
- ✓ Blockhain-based Supplier Certification App
- ✓ HubChart - Patient Doctor Consultation Platform
- ✓ Guapp - Food Delivery, Parcels, Medicine, Market Super App
- ✓ Tarjemle - Translation and Copywriting Services Platform

- ✓ PULIRE - Shoe Cleaning Services Platform
- ✓ DURA LEX - Social Italian and EU Legal.Codes Platform
- ✓ Shawer App - Legal Services through Technology
- ✓ InkMyPapers - Assignment Help App
- ✓ PharmacyDirect / ClickPill- Medicine Delivery Application
- ✓ Appily - Journal App with Personality Analysis
- ✓ MyWapBlog.com - Comprehensive Blogging App

EDUCATION
BACHELOR OF SCIENCE IN COMPUTER SCIENCE at Technological University of the Philippines
June 2009 - March 2013

I hereby certify that the information presented here is true and correct to the best of my knowledge

John Ernest Guadalupe

APPLICANT