

John Nichols Ranara

Full-Stack Developer • Principal Software Engineer

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PROFESSIONAL SUMMARY

Versatile and results-driven Principal Software Engineer with over a decade of professional experience architecting desktop applications, automation tools, and backend frameworks. Proven expertise leading technical implementations across diverse ecosystems, including industrial IoT management systems, native Android infrastructure, and enterprise-grade tools. Adept at transforming high-level system requirements into highly efficient, scalable, and secure codebases.

Experience

Software Developer

Jul 2019 - Present

Climeo Solutions, Switzerland (Remote)

- Contributed to the core development of PII0X, an open, modular platform designed for industrial control and automation systems.
- Developed and optimized modules for TESSA, an automation framework for executing complex scientific software applications.
- Architected and deployed an internal enterprise resource planning (ERP) system to streamline company operations.
- Built a centralized management utility to monitor, provision, and maintain client IoT devices securely.
- Engineered multiple proprietary internal applications for industrial partner systems to improve data workflows.
- Designed and developed automated chatbots, workflow pipelines, and professional client web platforms.
- Produced technical promotional assets and digital media materials for diverse business clients.

Technical Skills

🗣️ Languages

English Filipino
Waray-waray (Dialect)
Cebuano (Dialect)

🖥️ Frontend

HTML5 CSS3 JavaScript
TypeScript

🖥️ Backend

Bash C/C++ C# Java Python
PHP Lua NodeJS Qt VB.NET
Xojo

🗄️ Database

MySQL PostgreSQL SQLite

🔧 Tools & Platforms

Docker Git GitHub/GitLab/Bitbucket
GitHub Actions Make/Integromat/n8n
Alibaba/Google Cloud
Gemini CLI/LM Studio/Pi.Dev

🎨 Creative

Camtasia Studio DaVinci Resolve
Final Cut OBS/SLOBS Photoshop
Premiere Bethesda Creation Kit

IT Volunteer

Feb 2018 - 2019

Comradeship Philippines, Tacloban City, Leyte

- Developed WordPress site.
- Designed posters for social media.

Android Developer

Nov 2016 - 2018

Hyperworks I.T. Solutions, Tacloban City, Leyte

- Engineered native Android applications focused on Disaster Risk Reduction (DRR) and education for Save The Children Philippines and DepEd.
- Facilitated features-definition workshops, managing stakeholders and spearheading local data collection initiatives.
- Led technical consultations and alignment meetings with key department officials to map software requirements.
- Delivered comprehensive technical support documentation and training frameworks for deployment teams.
- Developed web interfaces, established application hosting environments, and managed distribution assets.

Event Organizer / Game Moderator / Technical Support

Nov 2015 - Mar 2019

PlayPark Inc., Makati City, Metro Manila

- Managed in-game moderation, competitive integrity, and local event logistics for Special Force Online and Special Force 2.
- Organized, coordinated, and hosted high-engagement local and online gaming tournaments.
- Provided tier-2 technical support, troubleshooting client-side issues and delivering system stability fixes.
- Conceptualized and produced promotional media assets, including event posters and game cinematic trailers.
- Cultivated active player communities and implemented structural strategies to boost long-term player engagement.
- Developed automated workflow pipelines to sync, cross-post, and distribute content seamlessly across social networks.

Education

BS Computer Science

2013 - 2017

ACLIC College, Tacloban City, Leyte

- 2nd Place, Web Programming – Eastern Visayas ICT Expo (2016)
- 3rd Place, Visual Arts – Eastern Visayas ICT Expo (2016)
- Top 5, Hack The Climate Hackathon – Philippine Science HS - EV Campus (2016)

On The Job Training

Jul 2016 - Dec 2016

Department of Agrarian Reforms, Tacloban City, Leyte

- Designed and developed a custom Document Management System (DMS) from scratch to replace a legacy, uncompleted application.
- Optimized database structures to efficiently handle large data volumes, enabling faster document referencing and hardware scanning integration.
- Conducted training seminars and provided technical documentation to ensure smooth adoption by department personnel.
- Executed data migration strategies to extract records from old storage systems into the new relational architecture.
- Provided post-deployment technical support, system maintenance, and performance tuning during the rollout phase.