Krennt Craven Alvarez Villalon

Taguig City, NCR │ (+63) 976-582-6573 │ Krenntc@gmail.com │ krennt-cranven.com

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WORK EXPERIENCE

Test   **August 2024 - Present**
Software Engineer   *Ortigas, National Capital Region, Philippines*

- Maintained and enhanced an internal PHP web application on AWS, streamlining document management workflows and improving operational efficiency for 1,000+ employees.
- Assisted in integrating third-party APIs (Netflix) into a telecom bundle, focusing on backend integration, validation, and service enablement.
- Developed an automated task scheduler with AWS SNS and CloudWatch, enhancing QA monitoring, increasing team productivity by 14%, and reducing manual oversight

Willis Towers Watson   **Oct 2023 - April 2024**
Software Engineer Intern   *Taguig, National Capital Region, Philippines*

- Enhanced the frontend of the Learning Experience Platform using ASP.NET MVC, improving usability and reducing support tickets by 15%.
- Expanded platform accessibility across the Philippines, UK, and Germany through Azure Active Directory (Azure AD) integration and cross-regional collaboration, reducing software access issues by 25% and strengthening global authentication workflows.

GCash (Mynt - Globe Fintech Innovations, Inc)   **Jun 2023 - Sept 2023**
PMO Technology & Operations Intern   *Taguig, National Capital Region, Philippines*

- Implemented automated workflows and custom integrations in Google Sites, reducing manual data entry for managers by 20% and improving operational efficiency.
- Streamlined project execution by organizing Jira documentation and cleansing QA error tickets in Excel, accelerating issue resolution and strengthening cross-team collaboration.

Global Scaling Group   **May 2023 - June 2023**
Lead Generation Internship   *Pasay, National Capital Region, Philippines*

- Generated sales opportunities by conducting market research, qualifying leads, and developing client relationships, while preparing proposals and delivering post-sale support that strengthened customer retention and business growth.

EDUCATION

Pamantasan ng Lungsod ng Maynila   **Sep 2020 - Sep 2024**
Bachelors of Science in Computer Engineering   *Manila, National Capital Region*

- **GWA:** 1.60 (College Scholar Standing)
- **Relevant Coursework:** Data Structures & Algorithms, Software Development, Project Management, Database Management, Artificial Intelligence, Machine Learning

Colegio De San Juan De Letranm   **Feb 2018 - March 2020**
Senior High School, Information Communication Technology (ICT)   *Manila, National Capital Region*

- **Grade:** 89.23 / 100
- **Relevant Coursework:** Data Structures & Algorithms, Software Development, Programming Fundamentals, Web Development, Artificial Intelligence

ACHIEVEMENTS

Pamantasan ng Lungsod ng Maynila - Thesis Presentation   **March 2024**
2nd Place, Best Thesis in Architecture Design

GDSC - Ateneo De Manila (Hackathon)   **April 2023**
2nd Place, Developed a digital platform addressing blood donation issues

LEADERSHIP

Google Developer Student Club - PLM   **2024 - Present**
Senior Web Developer & Senior Mobile Developer

Mentored 20 students in modern web and mobile development, teaching React.js, Next.js, Material UI, Styled Components, Shadcn, Vercel, React Native, and Flutter, fostering hands-on skills and accelerating their proficiency in full-stack development.

PROJECTS

OneSync: RFID-Based POS and Sales Forecasting System   **2024 - Present**
Lead Developer and Maintainer

Led development of OneSync, an RFID-based POS and sales forecasting system using Flutter, Firebase, RFID, and PayMongo, streamlining cafeteria operations with digital payments and predictive analytics. Directed a 4-member team from design to deployment, earning 2nd Best Architecture Thesis Award at Pamantasan ng Lungsod ng Maynila for technical innovation.

Epita GDSC PLM & GDSC France Collaboration   **March 2024**
Senior Developer

Pioneered the backend, frontend, and cloud infrastructure for Epita, a collaborative web app between GDSC PLM and GDSC France, leveraging Next.js, Shadcn, Tailwind CSS, Firebase, and Terraform to enable scalable student networking and seamless international collaboration.

Ang Pamantasan - PLM Student Publication   **June 2023**
Lead Developer

Spearheaded the development of Ang Pamantasan, PLM's official student publication website, using React.js, Contentful, GraphQL, Styled Components, and Material UI to deliver a scalable solution that improved content management, enhanced navigation, and strengthened the university's digital presence.

Sagip - Ateneo De Manila (Hackathon)   **April 2023**
Lead Developer

Developed a digital platform to address blood donation challenges using React Native, Tailwind, and Firebase, winning 2nd place at the 24-hour GDSC Loyola Hackathon for innovation and impact.

CERTIFICATIONS, SKILLS & INTEREST

Certifications: AWS Cloud Practitioner (Nov 2024), AWS Certified Developer (February 2025), Azure AZ-900 (March 2025), AWS Certified Solution Architect (April 2025),

Programming: Python (Proficient), Java, JavaScript, TypeScript, Unix, C#, C++, SQL

Web Technologies & Databases: MERN Stack (Mongo DB, Expres.js, React, Node.js), HTML, CSS, TypeScript, JavaScript, Angular, NoSQL, SQL, Next js, Shadcn

Mobile App Technologies: Flutter, React Native, Kotlin

Cloud & DevOps: Amazon Web Services (AWS), Google Cloud Platform (GCP) Microsoft Azure, Git & Github, Vercel, Docker, K8s,

Languages: Filipino (Native, First Language), English (Native)

Core Competencies: Data Driven, Decision Making, Technical, Communication, Problem Solving, Team Leadership, Adaptable, Stakeholder Engagement.

Interest: Software Development, Cloud Development, Emerging Technology, Reading,