Ken Dan S. Tinio

Fullstack Web Developer 10 years (2014 - 2025)
DevOps 1 year (2021 - 2022)

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Linkedin: https://www.linkedin.com/in/kdst/
Stackoverflow: https://stackoverflow.com/users/9037356/kd-s-t
Github: https://github.com/kd-s-t
A cloud guru: https://learn.acloud.guru/profile/kenn-tinio

Works I've done
https://drive.google.com/drive/folders/1g8T6ne3MUREf41EL4IoCj7xKJ5Sz14Bn

Siargao Trading Road

November 2025 - Present

Marketplace connecting suppliers and stores in Siargao. Suppliers register and list products; stores browse and purchase. Includes role-based access (supplier, store, admin) with order management and location tracking.

Tech Stack:
Frontend Web: Next.js, Material-UI, TypeScript, Storybook
Mobile: React Native (Expo), Flutter (Dart)
Backend: Golang REST API, PostgreSQL, JWT
Infrastructure: AWS (S3, EC2), Docker, Terraform

Seery

November - December 2025

Seedify Hackathon. Decentralized crypto prediction platform on BNB Chain. Users stake BNB on 24-hour price predictions (up/down). Uses AI (OpenAI) for forecasts and Chainlink/Pyth oracles for automated resolution. Rewards are distributed proportionally to winners.

Tech Stack:
Frontend: Next.js 15, TypeScript, Material-UI, Framer Motion
Backend: Express.js, Node.js
Blockchain: Solidity, Hardhat, BNB Chain, wagmi, ethers.js
AI/APIs: OpenAI, Chainlink, Pyth Network, CoinGecko, TheNewsAPI
Infrastructure: Docker, Terraform, AWS, GitHub Actions

SplitSafe

July - Oct 2025

WCHL Hackathon. Trustless escrow and split-payments platform on Internet Computer (ICP) with native Bitcoin (ckBTC) support. Features milestone escrow, multi-asset withdrawals, Constellation Digital Evidence for audit trails, Story Protocol IP registration, and optional SEI fast settlement. No bridges or intermediaries.

Frontend: React 19, TypeScript, Redux, TailwindCSS, Framer Motion
Blockchain: Internet Computer (ICP), Motoko, Bitcoin (ckBTC), SEI Network
Integrations: Constellation Network, Story Protocol, OpenAI, Resend, Pusher
Backend: NestJS (separate repo), ICP Canisters
Infrastructure: Docker, Terraform, AWS, GitHub Actions, Grafana, Loki

Urbanstems

Senior Software Engineer
Oct. 2022 - June 2025

Urbanstems is a flower and gift delivery company based in the U.S. They offer fresh flower bouquets, plants, and gift boxes that you can order online for delivery — often same-day or next-day in some cities.

Roles & responsibilities:
- Fixing bugs
- Implementing new features requested from care agents and stakeholders
- Integrating UPS API
- Integrating Easypost API
- Integrating Netsuite API
- Integrating Shopify Plus API
- Tech support during Valentines and Mothers day
- Lead rotation on DSU and Retro

Tech stack: React.js, Node.js, MongoDB, Postgres, Terraform, Typescript, Prisma, Express.js, Shopify API, Netsuite SuiteScript, AWS Lambda, SQS.

[Ancileo Pte. Ltd.](#)

Senior Software Engineer
Aug. 2022 - Jan. 4, 2025

Ancileo is a Singapore-based technology company that provides
insurance distribution solutions. Their main focus is helping insurers,
banks, travel companies, and online businesses embed insurance products into their customer
journeys. They specialize in:
- Insurance API integrations
- White-label platforms for selling insurance
- Solutions for travel insurance, gadget insurance, health, and other coverages

Roles & responsibilities:
- Tech supporting the platform
- Fixing bugs
- Giving advice for tech design
- Solving problems
- Implementing first ever unit test in our laravel 5.1
- Implementing whitelabels for Policy products
- Implementing first ever widget whitelabels using webpack for bundling JS and CSS
- Onboarding new hired developers

Tech stack: Laravel 8, Node.js 18, Express v5, Typescript, Unit Testing, Jest.js v29, AWS codecommit, AWS codepipeline, Terraform, Docker, AWS ECR

AI Pricing Configuration App - Team lead, worked for a year in AI with AWS bedrock and Claude v2 for AI. For Frontend and backend it's up to us.
Tech stack: React.js, Nest.js, Typescript, Docker.
Demo app: 🎬 Bedrock + Claude v2 AI.mov

[Chronicled](#)

Independent Contractor
Frontend Engineer
January 9, 2023 - May 9, 2023

Chronicled is a blockchain technology company based in San Francisco.
They specialize in building supply chain automation solutions, especially for industries like:
- Pharmaceuticals
- Healthcare
- Life sciences

Roles & responsibilities:
- Integrate Reactflow.js

Tech stack: React.js, Typescript, Unit Testing, Jest, Reactflow.js, MUI, Docker, Github

Demo app:
- 📹 Chronicled - March30,2023 Update.mov

Cebu Pacific Air, Inc.

Cloud engineer for 1 year
Oct. 2021 - Oct. 2022

Cebu Pacific Air, Inc. (commonly known as Cebu Pacific) is a
low-cost airline based in the Philippines. Offers domestic and
international flights.

Roles & responsibilities:
- Implement a web application for internal use to automate application building.
- Setup project with Jenkins CI/CD
- Migrating projects from VMware Tanzu to AWS EKS
- Monitor pods
- Fix pods

Handled projects:

SSP - Oct 2021 - Oct 2022
Handled a project alone called SSP. Internal project by Cebpac, confidential. Similar example
project: https://www.cloudcraft.co/. React Typescript, Material UI v5, Golang, Gin, MongoDB,
Jenkins, Docker, Kubernetes, Terraform, AWS. Developing a system that builds a kubernetes
Infra in a cluster and generates terraform files and deploy it, just like cloudcraft. You can drag
and drop kubernetes objects and craft an infrastructure from scratch and deploy in the UI and
connect to AWS EKS and Harbor.
Tech stack: React.js, Next.js Redux, Typescript, Golang, MongoDB, Jenkins, Docker,
Kubernetes, Terraform, AWS Landing zone, Tanzu, Power automate.

Demo app:
- 🎬 Cebu Pacific Air - new ssp recording.mov
- 🎬 Cebu Pacific Air - drag apps.mov

Valhalla Online Services. Inc

Nov. 2017 - Oct. 2021
Fullstack Developer for 4 years and 6 months

Valhalla Online Services, Inc. offering services to other IT industries internationally. Converting manual systems to automated systems Delivering advanced features and elegant design.

Roles & responsibilities:
- Fullstack developer
- Implement complex features
- Integrate API's
- Overseeing the examinees

Handled projects:

Cryptocoin Token Nov. 2018 - Aug. 2019
We developed a simple cryptocurrency token and web interface. The token could be transferred between users' Ethereum addresses.
Tech stack: React.js, Solidity, Truffle and Web3.js

12rnd Training Camp Web app Feb. 2018 - Feb. 2020
A web application for gym goers, an app that a person manually records their progress. They are being guided what they eat for 7 weeks and what exercise they do in 7 weeks until then they will attain something others have worked for years. An efficient workout routine. The project was handled by 2 developers: backend and frontend. It was used with DynamoDB, Serverless Node.js and React.js. It was launched in the year 2020. Later the application was migrated to a mobile web application.
Tech stack: React.js, Hooks + Context API, Material UI, AWS Lambda, Serverless Node.js, DynamoDB, Newman Test, Cypress, Gulp, AWS EC2, AWS S3, Docker, Jenkins

Homerepair, Back to Beautiful Web app - Feb. 2020 - March 2022
A big company who manages house repairs. It is very specific on repairs like gutter, roofing, decking, etc. every corner in the house. The biggest challenge in this system is the calculation. Once someone has signed a contract to repair their house or building it generates a lot of invoices with a lot of calculation. We also have to be on the lookout on which repairs and which not, otherwise will miscalculate and lead to trouble. The project is being led by two developers.
Tech stack: React.js, Redux, Next.js, Laravel 8, Docker, Github CI/CD, AWS EC2, AWS S3, AWS SNS, AWS SES, AWS ECR , Jenkins Pipeline, Material UI, Storybook.js

Philwebservices, Inc.

Fullstack Developer for 3 years
Aug. 2014 - Aug. 2017

PhilWebServices, Inc. is a web solutions and IT outsourcing company based in Mandaue City, Cebu, Philippines. Established in 2003, the company offers a comprehensive range of digital services tailored to businesses of all sizes, both locally and internationally.

Roles & responsibilities:
- Team lead of 1FX pay
- Integrated API's
- Handled Frontend
- Handled Backend
- Handled Deployments
- Onboard new members in the team
- Project management
- Client communication

Handled projects:

1FX Pay - Aug 2015 - Aug 2017

As the team lead for the 1FX Pay project, I successfully managed and led a team of two developers—a mobile developer and a backend developer—through the entire project lifecycle. The project, developed using Laravel and Vue.js, was hosted on Amazon Web Services (AWS) and involved integrating over 20 APIs.

The core functionality of the platform was focused on seamless money transfers between banks and wallets within the US. I played a pivotal role in the integration of critical APIs and ensured that the development was aligned with client expectations.

I was responsible for client communication, project leadership, and coordinating with my team to deliver the project, which was launched in 2017. Throughout the development process, I applied best practices in API integration, project management (using Agile methodologies), and leveraging AWS EC2, RDS, and S3 for hosting and scalability.

Tech stack: Laravel, Vue.js, AWS EC2, AWS S3, AWS RDS, MySQL

Education

University of San Carlos - BSIT

2010 - 2014

API integration (2013)
Paypal checkout API Integration

In a major subject, we are given a project to create a website from scratch. We have chosen an e-commerce system. I wasn't content with our checkout so I decided to add an optional method, which is the Paypal checkout API. I was successful with using the REST method and it was my first API encounter.

Adobe After Effects (2013 - 2014)
We created an 18 minute Sci-fi Movie for our Multimedia subject. Turns out that the final project was a contest to other blocks. We didn't win but we got nominated as one of the best. There were almost 20 people in our group and I was the one leading it. Also I did all the editing and adding effects in the movie.
Trailer https://www.youtube.com/watch?v=01PBzzBuKds
Movie https://www.youtube.com/watch?v=yBtsBZcWkOY

Thesis (2013 - 2014)
General Laboratory User Management System (GLUM Sys)

The system is based only on IT building in a room where students can freely use a computer for research purposes. But teachers have decided to implement a time limit for the whole semester they can accumulate. Glum is a system used to manage a student's account on how many hours the student has already accumulated. Not only that, Glum has other features where students login to the website accessible within the campus only, in the account of the student they can reserve a specific time and choose a computer of their choice. Students must use their time wisely to avoid unnecessary research or not even related to projects. The system was run by Native PHP and can only be accessible through an offline network.

Certificates

- **LFS158x: Introduction to Kubernetes**
  Provider: edX
  Expiration: November 2021 - November 2023
  Link: https://courses.edx.org/certificates/6511042ff4854c4a8ecfb18a4f5f3c15

- **AWS Certified DevOps Engineer - Professional 2020**
  Provider: A Cloud Guru
  Expiration: May 2022 - No expiration
  Link: https://verify.acloud.guru/FB6D96E7B1FF

- **AWS Certified Cloud Practitioner (CLF-C01)**
  Provider: A Cloud Guru
  Expiration: March 2022 - No expiration
  Link: https://verify.acloud.guru/609A75D831A7

- **AWS Certified Developer - Associate (DVA-C01)**
  Provider: A Cloud Guru
  Expiration: March 2022 - No expiration
  Link: https://verify.acloud.guru/CAAD22A14EAA

- **React Zero to Hero Series Hackathon**

Exploring the Cutting-Edge: Tech Trends of Today

1. Blockchain - decentralized apps
2. Electroencephalogram (EEG) (Control Drone using mind)
3. AI
4. IoT

July - October 2025

WCHL Hackathon

We joined the **World Computer Hacker League (WCHL) 2025**, competing from qualification to national and regional rounds. Our project **SplitSafe** is a decentralized, trustless escrow and split-payment platform built on **Internet Computer (ICP)** with **native Bitcoin integration (cKBTC)** and **SEI Network** for fast transactions—eliminating the need for bridges or wrapped tokens.

SplitSafe enables senders to lock Bitcoin in escrow and release funds automatically based on smart conditions, supporting secure payouts and on-chain communication.

🏆 **Achievements**

- **Winner – [DoraHacks WCHL25 National Round](#)**

- **1st Winner – [DoraHacks WCHL25 Regional Round](#)**

Hackathon Event: AI – Pricing Configuration

October 12 - December 7, 2023

We participated in an internal event at Ancileo, where our team was tasked with developing an AI-powered Excel File Uploader. The system needed to process Excel files of any format from clients, intelligently interpreting the data and inserting it into a database.

My Role & Contributions

- I stepped up as the team lead, making key decisions throughout the project.
- Set up the frontend and backend infrastructure.
- Configured deployment for the application.
- Led the team in defining the requirements and breaking down tasks for efficient execution.

Tech Stack (Strictly Required for AI Processing)

- AWS Bedrock
- Claude v2

Our Chosen Tech Stack for Development

- Frontend: React.js
- Backend: Nest.js, TypeScript
- Containerization & Deployment: Docker

Out of 7 competing teams, we secured 2nd place, successfully building a scalable and AI-driven file processing system.

Demo app: 🎬 Bedrock + Claude v2 AI.mov

[Hackathon Event](#): BreederDAO Philippines

August 19 - 22, 2022

Consists of four members who work together just as we serve our clients—with integrity and collaboration. Our hackathon submission was the Government Fund System, an application designed for the Philippine government's dual-currency implementation. The system introduces Pine Coins, a blockchain-based token used exclusively for government transactions, alongside the traditional Philippine Peso.

How It Works, Pine Coins as a Government Token:
Deposits: Only the President can deposit Pine Coins, converting pesos into the digital currency.
Withdrawals: Only authorized suppliers can withdraw Pine Coins, converting them back into pesos.

Blockchain Transparency via Etherscan:
Unlike the current system, where lower officials request and manage funds manually, Pine Coins ensure complete transaction transparency.
All transactions are publicly viewable on Etherscan, reducing the risk of misallocation or corruption.
Any individual, including citizens and auditors worldwide, can track fund movements and investigate suspicious activity. Preventing fund misuse.

Tech Stack:

- Blockchain: Ethereum (ERC-20 token for Pine Coins)
- Smart Contracts: Solidity
- Frontend: React.js
- Backend: Node.js, Express.js
- Database: PostgreSQL
- Blockchain Explorer: Etherscan API
- Authentication & Access Control: [Web3.js](#)

React Zero to Hero Series Hackathon

August 10, 2019

Our team of three participated in a 8-hour challenge, where we built a sports application using React.js. We developed the Sport App, a platform that allows users to organize and join games seamlessly.

How It Works
- A user creates a game room (1-10 players), setting the time and location.
- Other players join and agree to the details.
- Once the game room is full, players meet at the designated location to play.
- After the game, players can rate each other, building a public sports portfolio—like LinkedIn, but for athletes.

This was an intense but exciting challenge, and we successfully built a **functional prototype** within the time limit! Photo of us.

Tech stack: React.js, AWS EC2, AWS RDS, MySQL, Asana, Github, Slack.

Logo Needed For Bitcoin Related Company

September 2018

A [logo contest](#) in Freelancer.com