Kevin Abdiel Vargas Laracuente

kevinvar2805@gmail.com ● 3466867561 ● Rosharon, TX ● LinkedIn ● GitHub

TECHNICAL SKILLS

Programming Languages: JavaScript, Java, Python

Cloud Deployment and Technologies: DevOps, CircleCI, Docker, Git, feature branch workflow, AWS (EC2), Vercel, Render

Database Concepts and Technologies: SQL, NoSQL, MongoDB, MySQL, SQLite, Entity Relationship Diagrams, Database scaling, Firebase

Server-Side Concepts and Technologies: Node.js, Express.js, MVC, Stress Testing & Scalability, Server Side Rendering, Next.js, Mongoose, Sequelize, Firebase Auth

Client-Side Concepts and Technologies: HTML5/CSS3, DOM & DOM API, Event Listeners, React.js, AJAX / Fetch, Component-Based Architecture, Next.js, Redux.js, Tailwind CSS, React Query, Axios

Fundamentals of Computer Science: Data Structures, Algorithms, Object-oriented design, ORM/ODMs

RELEVANT PROJECTS

Back End Engineer | Q&A API   Feb '25
Repo: github.com/Node-It-Alls-SDC/Questions_Answers_API
Tech Stack: Node.js, Express.js, CSV-Parser, Sequelize, MySQL, Node-Cache, Mocha, Jest,
SuperTest, Artillery, Amazon EC2, Docker

Question And Answers API

- Achieved a **5x faster** processing time by transitioning from MongoDB to **MySQL**, cutting down the process of handling millions of records from **20 minutes** to under **5 minutes**
- Slashed access time to retrieve all of the millions of records from **7 seconds** to **90 ms** on the initial request by leveraging MySQL's built-in **indexing**
- Boosted read speeds from **400 RPS to 2500 RPS** by implementing **clustering** with the NodeJS cluster module & utilizing **caching** with the node-cache library

Architect Owner | Full Stack Engineer | Board Together   Mar '25
Repo: https://github.com/Blue-Ocean-25/Board-Together
Tech Stack: JS, HTML, CSS, Node.js, Express.js, MongoDB, Firebase Auth, React.js React
Router, React Query, Tailwind with Daisy UI plugin, Axios, Webpack, Jest, Supertest

An app that digitizes scoresheets for classic games like Clue, Yahtzee, and Scrabble, promoting social interaction by uniting people through universally enjoyed games.

- Led an **8-member** software engineering team in **conceptualizing** and **delivering** a project that completely met client expectations using **SCRUM** methodology, resulting in **10 features** completed in **one week**
- Reduced **authentication** module development time by around **50%** using **Firebase** Authentication's pre-built solutions, leading to expedited project completion
- Utilized **Jest** for testing in **resolving functional bugs**, complemented by Supertest for backend testing & Axios Mock Adapter for frontend testing to enhance bug resolution efficiency & achieved **70%** test coverage

Full Stack Engineer | E-commerce Page   Feb '25
Repo: github.com/eastbluelegends/fec2025/tree/next
Tech Stack: JS, HTML, CSS, Node.js, Express.js, Webpack, Next.js, React.js, Axios, Redux,
Sweetalert, Vercel, Eslint, Jest, React Testing Library, CSS

E-commerce product page

- Elevated page performance from **50 to 70** by incorporating **lazy loading** with React, resulting in a **40% improvement**
- Implemented **Jest** for **80% test coverage** of the React app before incorporating Next JS, pinpointing early-stage bugs.
- Revamped my React App using Next JS, elevating page performance from around **70** to roughly **95** with **Server-Side Rendering**, marking a **35.71% increase** in speed

EDUCATION

Hack Reactor | Advanced Software Engineering Immersive Program Certificate   Present

Udemy   Mar '24 - Apr '24

- *20 days of 100 day Python Course*

Ridge Point High School | High School Diploma   May '24

- Relevant Coursework: AP Comp Sci A, AP Calculus AB
  - Learned OOP, Data Structures and Algorithms, and basic recursion with Java
- Awards: The National Society of High School Scholars

Dickinson High School   May '22

- Relevant Coursework: Precalculus A UT High School Program
- Extracurriculars: After School Robotics (programmer)
  - Programmed the robot to take inputs from a controller to move all four directions and to move its arm
  - Coordinated with my team members to ensure it had all the functions needed to be programmed