Brett Albright
Software Engineer
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Technical Skills and Tools

Strong: JavaScript, TypeScript, Node.js, React, PostgreSQL, Express, PHP, HTML5, CSS3, Bootstrap 5, REST APIs, Vite
Experienced: Java, C++, Python, Go, MySQL, Oracle SQL, Tailwind CSS, Webpack, Babel, DynamoDB, MongoDB
Tools: Git, Github, Glitch, VSCode, Heroku, AWS, Amazon S3, Figma, Slack, Tableau, Zoom

Experience

Silicon Beach Solutions LLC., Newport Beach, CA
Project Lead Developer   June 2024 - Present
- Managed the main https://www.hyundaiusa.com/us/en/test-drive website including content updates, maintenance, and technology updates using AWS S3, React, Redux, NodeJS, Sequelize, and Postgres
- Implemented Database Solution for the Hyundai Build and Search Inventory application including Database Design and implementation in DynamoDb for nationwide dealer inventory
- Provided Technical Planning assistance and oversight for the Hyundai Evolve+ front-end application including data flow and architecture based on existing mobile app

LearningFuze LLC., Irvine, CA
Senior Instructor / Developer   June 2019 - Present
- Managed the main LearningFuze.com website including content updates, deployments, maintenance, and technology updates using AWS, PHP, Digital Ocean, Github Actions, and NPM
- Instructed students in programming in React, building servers using Node.JS and Express, building and querying databases in PostgreSQL, and provided technical interview practice
- Implemented updates to the custom Learning Management System for improved content delivery to students, including performing database migrations
- Provided project management for student senior projects, including feature development, database design, wireframe creation, issue tracking, and code assistance
- Developed and implemented iterative curriculum updates including concepts like React hooks, Rest APIs built using Express, OS level programming in Node.js, Unit Tests, and Data Structures
- Managed and oversaw company tooling including Google Suite accounts, Github accounts, Slack Accounts, AWS accounts, etc

Assistant Instructor / Developer   Jun 2018 - June 2019
- Provided personalized guidance to students on fundamental programming concepts, fostering critical thinking by guiding students to discover solutions through thought-provoking questions rather than simply providing answers
- Fostered a collaborative agile learning environment by facilitating interactive post-exercise Q&A sessions, encouraging students to both ask and answer exercise-specific questions in a constructive and efficient manner needed for the workplace
- Provided one on one and group tutoring sessions for students to get a deeper dive into concepts like constructing functions, writing readable code, proper code commenting, and other concepts on demand

- Created bonus exercises and study guides for students for continued practice on more in-depth concepts like the use of higher order functions, writing good pseudocode, and website design
- Implemented website and curriculum updates per specifications provided by my senior instructors

Legacy Post Acute Rehab, San Bernardino, CA
Respiratory Therapy Night Manager   Mar 2010 - Feb 2018
- Managed a department of 6 professional Respiratory Therapists for a 115 bed Post Acute Rehab center with an average of 60 ventilator dependent patients
- Displayed initiative in revamping the inventory system for the Respiratory Department, resulting in decreased waste and optimized utilization of equipment, thereby enhancing operational efficiency
- Established comprehensive policies and procedures for the Respiratory Department, demonstrating leadership by ensuring alignment with state regulations and surpassing standards for patient care
- Collaborated closely with the wound care department to develop and implement strategies aimed at minimizing wound occurrence among ventilator-dependent patients, resulting in decreased hospitalizations and enhanced patient outcomes
- Initiated Biohazard equipment change policies to reduce patient cross infections in multi patient rooms

Applications Developed / Designed

Hyundai Drive
Provided security and efficiency updates in the maintenance cycle to a large-scale production application for scheduling vehicle test drives
- Managed website deployments including content updates, technology maintenance updates, pre-live site update testing, and deployment host transfers
- Removed PII data from front end app data flow and upgraded back-end server to accommodate handling of sensitive data
- Upgraded application functionality to allow users the option of verifying their driver's license information via desktop and mobile app
- Decreased app reliance on redux state by moving global state data to local state to reduce code complexity

Hyundai Build and Search Inventory
Designed Dynamo DB solution for large scale inventory, dealer, and zip code build and search application
- Designed and implemented Dynamo DB database solution for large-scale low-latency vehicle searches with inventory of more than 300k vehicles and dealer network with more than 800 nationwide dealers
- Worked with the Java development team to tune queries for sub one second searches on vehicle data based on radius and zip code input from users
- Designed Blue/Green database solution for preventing database downtime during nightly vehicle inventory updates
- Created workflows for Dynamo DB AWS s3 imports to massively reduce costs on inventory updates

LFZ- LMS
Developed and maintained the LearningFuze Learning Management System to efficiently manage student assignments.
- Implemented navigation enhancements to more efficiently update student profile information
- Performed PostgreSQL database migrations to extend student assignment tracking functionality
- Assisted in migration from Heroku to Digital Ocean hosting to reduce technology costs
- Responded to site issues to maintain application uptime to prevent negative student experiences

[LFZ- Self-Paced-Python](#)

Created the LearningFuze Self-Paced Python course to enable prospective students and alumni to enhance their Python programming skills.

- Coded dozens of topical exercises built to provide students with topic introduction, documentation, and exercise instructions
- Collaborated on application design and implemented design requirements via MDX
- Developed exercise structure and implemented application tools per company style requirements
- Provided extensive testing in both local and deployed environments including responsive design checks, multi-browser compatibility, and application functionality

Education

Bachelors of Science in Computer Science, Fort Hays State University Kansas,   Expected: 2026
Full-Stack Web Development Program, LearningFuze, Irvine, CA,   2018
- 800+ hours of programming(60+ hours/week) in a simulated agile work environment

Associate Degree in Languages and Media, Moreno Valley College, Moreno Valley, CA,   2017
Associate Degree in Respiratory Therapy, Concorde Career College, San Bernardino, CA,   2006