

ERIK CASTILLO

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HIGHLY ADAPTABLE & MOTIVATED PROFESSIONAL

BACKEND, FRONTEND & FULL-STACK DEVELOPMENT | ANDROID PROGRAMMING | DATA SCIENCE

Highly driven, motivated, and multitalented professional with a bachelor's degree in computer science and concentration in software development. Well-versed in key programming languages including but not limited to Python, C, C++, Java and R. Broad project management background with expertise in UX Design, data visualization, object-oriented design, and data structuring. Possess solid technical acumen with the ability to anticipate dynamic technical requirements by providing fault-tolerant, scalable technology solutions and delivering enhanced product features. Talent for leading unit testing, change, and configuration management utilizing different software methodologies. Capable of providing research-based application design solutions, developing prototype software, and incorporating technical feedback from stakeholders to deliver an enhanced end-user experience. Key proficiencies include data-driven decision making, problem-solving, and a strong work ethic.

Knowledge, Skills & Abilities:

Data Visualization | Project Management | Prototyping | Product Development
Machine Learning | Programming | Data Management/Analytics | Software Engineering | UX Design
Configuration Management | Quality Assurance | Testing & Debugging | Troubleshooting | App Design
Technical Documentation | Change Management | Database Development | Technical Requirement Analysis
New Feature Development & Enhancement | Software Development | User Story Development | Technology Solutions |
Bilingual-Spanish

Technical Proficiencies:

Python | C | C++ | Java | JavaScript | HTML5 | CSS | PHP | Kotlin
Git | GitHub | SQL | R | C# | UML | VB.NET | Microsoft VS | VS Code | Django | Linux | Wing | MySQL

EDUCATION

UNIVERSITY OF ARIZONA; Tucson, AZ (2022)

Bachelor of Science in Computer Science, Major in Software Development

GPA 3.9, Magna cum laude - Dean's List; HSF Scholarship

PROFESSIONAL WORK ACTIVITIES

Due to education and strong interest in the software industry, can undertake the following duties:

- Facilitate completion of research and development projects and programs in coordination with cross-functional teams.
- Create optimized product features by making effective use of design principles and techniques along with adhering to the best practices of the company.
- Resolve problems pertaining to the software and application functioning, as well as liaise with interdisciplinary teams to design and establish coding standards.
- Implement and administer software system validation and testing methodologies together with supervising the development and maintenance of technical documentation.
- Interface with key stakeholders to determine and propose appropriate and effective technology solutions to meet business and technical objectives.
- Assist in creating system requirements, technical specifications, and test plans as per customer needs.
- Define the scope of technical projects; provide milestones, identify dependencies and development time estimates.

KEY PROJECTS

UNIVERSITY OF ARIZONA; Tucson, AZ

2022

Team Lead – Data Visualization, Senior Capstone (2022)

Facilitated the Downtown Tucson Partnership in conducting demographic analysis of visitors by developing an application for data analysis and visualization using Python. Led a team of 3 and guided them in identifying areas of improvement within downtown Tucson by organizing and presenting numerical data using graphs. Enabled customers in planning and defining the UI and functionality by designing a prototype for them.

Developer – Glucose App, Android Programming (2022)

Enabled users in recording blood sugar in the state of fasting as well as after breakfast, lunch, and dinner by developing an android app using Android Studio for monitoring daily glucose levels. Successfully designed and developed a database that facilitated in maintaining detailed records of all created items and enabling access to edit, modify, and delete records while querying database using coroutines. Incorporated a notification feature in the application pertaining to normal and abnormal sugar levels in addition to enabling the shareability of recorded information by the users with a third party via different communication applications.

PROFESSIONAL EXPERIENCE

SELF-EMPLOYED/OWNER; Tucson, AZ

2017 – Current

Master Barber

Perform inventory counts, as well as track revenue and expenditure to determine gross and net profits. Serve as the direct point of contact for all customers, schedule appointments, and address all queries on phone. Engage with customers for providing desired haircuts as per their preference. Deliver information on complementary hairstyles and hair care products.

- Conduct training in order to impart essential skills to the new barbers and provide performance feedback continuously to ensure exemplary customer experience.
- Proficiently managed multiple competing priorities at the same time and mastered the skill of effective time management, task prioritization, and organization and deadline management.
- Drove sales of beard, hair, and supplementary grooming products leading to increasing revenue by 50%.

ENCHANTMENT OF SEDONA; Sedona, AZ

2014 – 2017

Banquet Captain

Analyzed Banquet Event Order (BEO) to understand event-related requirements. Performed billing and payment collection duties at the end of events. Successfully organized small events and large weddings from cradle to grave including preparing schedules, coordinating with event planners for customized items and décor, overseeing logistics, and creating invoices.

- Researched multiple cost-effective décor items and negotiated prices with vendors to procure banquet decoration and equipment within the allocated budget of \$10K.
- Led and provided leadership support to a group of 30 servers including bartenders, supervised their performance, and set clear directions for them to ensure event success.
- Administered logistics and event schedules, hand-picked décor, and revised menus while functioning in close cooperation with customers and lead servers.