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DAYRON JESÚS BARRUECO BARRETO

SOFTWARE ENGINEER AND WEB DEVELOPER

+15 years of experience in design and development of computer applications with team leadership qualities, exceptional problem-solving skills, deep knowledge of programming principles, patterns, standards and good practices.

MOST RECENT WORK EXPERIENCE

Senior Software Engineer at Tropipay

Mar 2019 - Present · [Barcelona, Spain] [Finance, Marketplace, Saas, B2B, B2C]

RESPONSIBILITIES

- Management of professionals with different levels of seniority, from Junior Engineers to Staff.
- Identify and prioritize engineering initiatives to improve performance bottlenecks, reduce dependencies, and improve development experience and operational efficiency.
- Develop technical specifications and architecture.
- Writing tests and reviewing code for different projects and ensuring that everything works as it should.

KEY ACCOMPLISHMENTS

- Implementation of a secure payment platform, complying with Bank of Spain regulations.
- Migration and updating of frontend and backend architectures for the integration of products and services, managing to increase sales by more than 20% each year.
- Optimization of processes and customer responses through the use of queues and cache servers.
- Implementation of marketplace modules, affiliate program, integration of payment entities and POS terminals, financial services, security elements, administration panel, among others.

TECHNICAL SKILLS

JavaScript · SQL · Node.js · React.js · PostgreSQL · Socket.io · Cypress · Material-UI · Jest · Amazon Web Services (AWS) · Git · Redux.js · Sequelize.js · Reflux · Redis · Express.js · PL/PgSQL

Senior Frontend Developer at Firedevs

Mar 2021 - Aug 2021 · [Santiago Metropolitan Region, Chile] [Transport, B2C]

RESPONSIBILITIES

- Provide technical guidance and mentorship to junior developers, share best practices, and help the team make technical decisions.

- Design architecture by selecting appropriate technologies, defining the structure and organization of the code, and ensuring the scalability, maintainability, and extensibility of the code base.
- Participate in project planning activities, estimate development complexity, provide technical expertise, and identify potential risks or challenges. Define the scope, deadlines and deliverables of the project.

KEY ACCOMPLISHMENTS

- Implementation of the first stable version of the travel platform administration panel.
- Optimized performance by implementing techniques such as code splitting, lazy loading, memorizing, and preventing unnecessary renderings.
- Construction of a test environment composed of unit, integration and end-to-end tests to guarantee the stability of the application.
- Implementation of responsive and easy-to-use frontend interfaces that provide an exceptional user experience.

TECHNICAL SKILLS

JavaScript · Node.js · React.js · Material-UI · Git · Redux.js

Full Stack Engineer at Indevo Systems LLC

Apr 2018 - Feb 2019 · [Florida, USA] [IT, Software development, Consulting, B2C]

RESPONSIBILITIES

- Coordinate requirements, schedules and activities; contribute to team meetings; and troubleshoot development and production in multiple environments.
- Develop technical specifications, scalable base architecture and reusable components.
- Code review and quality control.
- Provide mentoring, training, and educational opportunities to team members.

KEY ACCOMPLISHMENTS

- Addition of new Device Activation and Unlock functionalities to the Service Payment and Mobile Recharge platform, increasing sales by more than 15%.
- Implementation of a new version of the platform for payment of services and mobile recharges with important improvements and new technologies.
- Development of a sales platform for medicated creams and beauty products, integration with payment platforms and Facebook Messenger bots.

TECHNICAL SKILLS

JavaScript · SQL · PHP · Node.js · React.js · Git · Laravel · Redux.js · jQuery · Bootstrap · MySQL

Full Stack Engineer at dayron.dev

Feb 2017 - Apr 2018 · [La Havana, Cuba] [IT, Software development, Consulting, B2B, B2C]

RESPONSIBILITIES

- Define architectures and web solutions based on business requirements, prepare estimates and schedules, guarantee deliveries against plans.
- Manage the complete software development process from conception to implementation.
- Lead and support other developers by providing advice, training, and educational opportunities.

KEY ACCOMPLISHMENTS

- Development of platform and administration panel for reservation and sale of services and tourist packages of travel agencies.
- Reduction of the response time by up to 57% of the requests to the server, processing the logic through queuing systems and communicating the status of the transactions to the client through web sockets.
- Development of a platform for the management and sale of gift cards of different brands with different plans and financial services.
- Development of complex reports for intelligent solutions platform.

TECHNICAL SKILLS

JavaScript · SQL · PHP · PostgreSQL · Git · Laravel · CodeIgniter · jQuery · Bootstrap · MySQL

Software Engineer at Informatic Science University (UCI)

Sep 2008 - Jan 2017 · [La Havana, Cuba] [IT, Software development, Consulting, B2B, B2C]

RESPONSIBILITIES

- Design and implement effective databases to store and retrieve company data. Apply database design patterns and best practices.
- Develop scalable and maintainable Business Intelligence applications to meet business objectives.
- Mentoring team members through training and individual support.
- Prepare accurate database design and architecture reports for management teams and executives.

KEY ACCOMPLISHMENTS

- Promotion to Head of the Data Architecture Role Committee of the company to define the standards and artifacts of the role within the software development process. Provide training and ensure the application of good practices.
- Database optimization through indexing, stored procedures and best practices to reduce accounting report response time from several seconds to a few milliseconds.
- Implementation of the Data Architecture of the Material Accounting and Tangible Fixed Asset subsystems of the ERP Cuba system.
- Development of a Business Intelligence Dashboard that provides real-time visibility of inventory and main financial indicators. The solution includes multidimensional analysis of information to support decision-making.

TECHNICAL SKILLS

SQL · Databases · Database Design · PostgreSQL · Data Analysis · Data Warehousing · Business Intelligence (BI) · Extract, Transform, Load (ETL) · Team Leadership · Pentaho · Database Development · PL/PgSQL · JavaScript · PHP · jQuery

SKILLS

- ✓ Problem-solving
- ✓ Fast learner
- ✓ Strategic planning
- ✓ Team player
- ✓ Inclusive leadership
- ✓ Abstract thinking
- ✓ Adaptability
- ✓ Agile principles
- ✓ Mentoring
- ✓ Pragmatic thinking
- ✓ Coaching
- ✓ Active listening
- ✓ Change Management
- ✓ Project Management
- ✓ Team leadership
- ✓ SQL
- ✓ Extract, Transform, Load (ETL)
- ✓ JavaScript
- ✓ PHP
- ✓ React.js
- ✓ Node.js
- ✓ Object-Oriented Programming (POO)
- ✓ Test-driven development (TDD)

EDUCATION

Computer Science Engineer at Informatic Science University (UCI)

September 2003 - June 2008 · [La Havana, Cuba]

LANGUAGES

- Spanish (native).
- English (professional proficiency).