Francisco Barrios

SOFTWARE ENGINEER

Details

Boston
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Links

Linkedin

GitHub

Web Portfolio

Skills

JIRA

Docker

Linux

TypeScript

Angular

NodeJS

React

MySQL

Java

JavaScript

Problem Solving

Decision Making

Teamwork

Leadership Skills

Computer Skills

Profile

Software Engineer | Developer

Full-stack Web Developer | Azure certified | HIPAA-Compliant

Passionate about developing secure, efficient, and scalable software solutions, I bring a blend of technical acumen with a strong commitment to team collaboration and project success.

Employment History

Software Engineer, Xorfox LLC, Denver

MARCH 2022 – MARCH 2023

Contributed significantly to software development projects, utilizing a comprehensive stack including Java, TypeScript, SCSS, Azure, Angular, Docker, Kafka, PostgreSQL, and more. Demonstrated expertise in full-stack development, DevOps, and agile methodologies, focusing on delivering high-quality solutions for medical applications.

- Optimized data entry and backend processes in the Fennec Stack.
- Enhanced UI components and debugged critical features to improve application stability.
- Engaged in agile development, tracking progress and aligning with project objectives.
- Collaborated with cross-functional teams to meet deadlines and client requirements.
- Enhanced Java and TypeScript skills through pattern training sessions.
- Contributed to team development via group training and pair programming.
- Managed Docker environments to streamline deployment and testing.
- Configured Kafka for improved scalability and performance in message bus architecture.
- Administered and optimized PostgreSQL databases for efficient data management and security.
- Implemented data models and schemas for complex medical applications.
- Integrated Keycloak for secure SSO login and authentication.
- Upheld high standards in security and data protection, especially for medical data.
- Developed a comprehensive medical billing application enhancing data processing and UX.
- Created a user profile management system with advanced security features.

Lead Officer / Shift Supervisor, Dell Technologies / RSA, Bedford

MAY 2014 – SEPTEMBER 2019

• Effectively managed a team of 3-7, focusing on individual development, resource optimization, and asset management.

• Consistently delivered accurate shift reports, conducted audits, and documented incidents, maintaining high compliance and quality standards.

• Positional placement management

• Chain of command structure replicated for call out replacements & scheduling aid assuring client expectations are met.

Sales Consultant, Verizon, Leominster

- Worked for commission alongside a team of dedicated salesmen.
- Ensured customer satisfaction by providing exemplary quality service .
- Maintained expertise in Verizon's smartphone and service offerings to provide tailored customer recommendations.
- Partnered with team members to meet sales goals and shared knowledge to enhance team performance.
- Managed sales transactions and customer data with precision, adhering to company policies.
- Stayed updated on market trends to adapt sales approaches to current consumer needs and technology advancements.

Education

Computer Science, Bloom Institute of Technology

NOVEMBER 2019

- Graduated from a rigorous, project-based software engineering program that emphasizes hands-on experience in full-stack development, including languages and frameworks such as JavaScript, React, and Node.js.
- Collaborated on multiple capstone projects, simulating real-world software development scenarios and focusing on building scalable, efficient, and user-centric applications.
- Participated in intensive problem-solving sessions and coding challenges, honing skills in algorithms, data structures, and system design.
- Engaged in continuous learning and professional development activities, including guest lectures from industry experts and participation in hackathons.
- Demonstrated a strong foundation in both front-end and back-end technologies, with a particular focus on developing responsive web applications.
- Maintained a strong academic record while actively contributing to collaborative team projects, showcasing the ability to balance multiple priorities effectively.

Computer Science, Quinsigamond Community College, Worcester

SEPTEMBER 2012 — JULY 2014

Projects

Secret Family Recipes API | Software Engineer

Code Repository

- Architected a RESTful API to manage and serve culinary data for a front-end recipe application, prioritizing secure and efficient data retrieval.
- Fortified the system by implementing JWT-based advanced authentication and authorization protocols, ensuring compliance with industry-standard security practices.
- Devised data models with SQLite3, utilizing foreign key constraints and transactional operations to maintain data integrity and consistency.
- Integrated middleware for robust API security, employing Helmet for HTTP headers security and bcrypt for data encryption, safeguarding sensitive culinary data.

Conway's Game of Life Simulation | Software Developer

Adaptability

Fast Learner

Customer Service

Ability to Work in a Team

Communication Skills

HTML/CSS/JavaScript

Python

Git

SQL

Github

Community Management

Cyber Security

Languages

English

Spanish

Code repository

- Developed an engaging web-based simulation of Conway's Game of Life, demonstrating adeptness in algorithmic logic and state management using React and Redux.
- Engineered a dynamic user interface, optimizing user experience through interactive features such as play/pause functionality, grid clearing, and random seed generation.
- Implemented a responsive design, ensuring a seamless user interaction across different devices and browsers, while also focusing on intuitive gameplay mechanics.

Ecosoap Backend Contribution | Software Developer

Code repository

- Collaborated on a socially responsible project to provide sustainable soap solutions, contributing to the backend development and API functionality.
- Enhanced application performance by improving server-side logic and database operations, contributing to the project's mission of environmental sustainability.
- Worked in an agile development environment, consistently delivering reliable code and participating in code reviews to maintain high-quality software standards.

- **Eco Soap Bank SaaS Demo video**

Key Achievments

Honorary mentions

- Developed a HIPAA-compliant SaaS application used by hospital staff, streamlining patient data management while ensuring robust data security and privacy standards.
- Led the integration of secure authentication protocols in hospital billing systems, enhancing data accuracy and privacy in accordance with HIPAA regulations.
- Innovated logistics and monitoring systems for a major healthcare provider.
- Spearheaded the development of a HIPAA-compliant SaaS platform, focusing on secure patient data handling, authentication, and access control.
- Mentor to entry level developers straight out of coding boot camps

- This document
  outlines a training environment for junior developers to practice best practice concepts and solid coding patterns, all within a project that has proper engineering concepts and architecture, with devops concepts taken into practice

Technical Skills

- - HIPAA Compliance
- - Secure Software Development
- - Data Encryption & Security
- - User Authentication
- - Healthcare Billing Systems
- - SaaS Product Development
- - Agile Project Management

Interests

- Leveraging cloud technologies and automation to enhance system efficiencies.
- Engaging in community-driven software development and mentoring.
- Continuously exploring new technologies to contribute to future-forward projects.
- History and world events.
- Motorcycles
- AI
- Security and Information security
- Red team Penetration testing