

Francisco Barrios, Software Engineer

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LINKS

[Linkedin](#), [GitHub](#), [Web Portfolio](#)

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

Mar 2022 — Mar 2023

Software Engineer, Xorfox LLC

Denver

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.

May 2014 — Sep 2019

Lead Officer / Shift Supervisor, Dell Technologies / RSA

Bedford

- 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.

May 2012 — Mar 2014

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

Nov 2019

Computer Science, Bloom Institute of Technology

- 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.

Sep 2012 — Jul 2014

Computer Science, Quinsigamond Community College

Worcester

SKILLS	JIRA	Expert	Computer Skills	Expert
	Docker	Expert	Adaptability	Expert
	Linux	Expert	Fast Learner	Expert
	TypeScript	Expert	Customer Service	Expert
	Angular	Expert	Ability to Work in a Team	Expert
	NodeJS	Expert	Communication Skills	Expert
	React	Expert	HTML/CSS/JavaScript	Expert
	MySQL	Expert	Python	Expert
	Java	Expert	Git	Expert
	JavaScript	Expert	SQL	Expert
	Problem Solving	Expert	Github	Expert
	Decision Making	Expert	Community Management	Expert
	Teamwork	Expert	Cyber Security	Expert
	Leadership Skills	Expert		

LANGUAGES

English

Spanish

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

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 ACHIEVEMENTS

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