Software Engineer

New Jersey - WILLING TO RELOCATE , United States

Francisco@anbu.solutions

978-631-9130

FRANCISCO BARRIOS

Nationality	Date / Place Of Birth
White/Latino	September 1993 / Massachusetts

PROFILE

Experienced Software Engineer with a strong background in software configuration management, DevOps, and CI/CD practices. Adept at managing version control systems, automating build and release processes, and ensuring compliance with company standards. Proven track record of collaborating with cross-functional teams to deliver high-quality software solutions. Excellent problem-solving and analytical skills with a commitment to continuous learning and professional development.

Skills

- Linux
- SQL
- Cloud Technologies: Azure
- Security and Compliance
- Version Control, Branching, Merging, Labeling
- Agile Project Management
- Scripting Shell/Bash/Python
- Configuration Management: Git
- SDLC Methodologies
- JIRA
- Docker
- PostgreSQL
- Java
- Authentication Protocols
- TypeScript
- CI/CD Tools
- Kubernetes & Podman clusters
- Angular (Web Framework)
- React (Web Framework)
- DevOps
- JavaScript
- Markdown | Documentation

LINKS

Portfolio   GitHub   linkedin   JIRA   DevOps   SaaS Demo Video   Certifications

EMPLOYMENT HISTORY

Full Stack Software Engineer at Xorfox LLC, Denver, CO

March 2022 — March 2023

Contributed significantly to software development projects, utilizing a comprehensive tech 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.

- Managed and maintained version control systems using Git, overseeing branching, merging, and labeling processes.
- Developed and maintained automated CI/CD pipelines using Jenkins and Docker, improving build and deployment efficiency.
- Collaborated with QA and operations teams to ensure smooth software deployment and integration.
- Configured and optimized PostgreSQL databases for secure data management.
- Engaged in agile development, tracking progress and aligning with project objectives to ensure timely delivery.

- Collaborated with cross-functional teams to meet stringent deadlines and fulfill client requirements.

- Enhanced Java and TypeScript skills through pattern training sessions, promoting best practices.

- Contributed to team development via group training and pair programming, fostering a collaborative environment.

- Managed Docker environments to streamline deployment, testing, and scaling of applications.

- Configured Kafka for improved scalability and performance in the message bus architecture.
- Administered and optimized PostgreSQL databases, ensuring efficient data management and security.
- Implemented data models and schemas tailored for complex medical applications, enhancing data processing.
- Integrated Keycloak for secure SSO login and authentication, strengthening application security.

Assistant DBA at Lexir LLC, Paramus, NJ

November 2023 — February 2024

- **Cloud Migration**: Assisted in migrating servers from on-premise to Microsoft Azure, and ensuring a seamless transition.
- **Query Optimization**: Worked on optimizing SQL queries to enhance performance and efficiency, contributing to faster data retrieval and processing.
- **Testing and Validation**: Conducted extensive testing and validation of migrated databases to ensure data integrity and system functionality in the cloud environment.
- **Collaboration with Senior DBA**: Supported the senior DBA in daily operations, including database maintenance, troubleshooting, and performance tuning.
- **Deployment Management**: Assisted in deploying database solutions on Azure, managing configurations, and ensuring compliance with best practices.
- **Monitoring and Reporting**: Monitored database performance and generated reports to identify and resolve issues proactively.
- **Documentation**: Maintained detailed documentation of migration processes, configurations, and optimizations to support ongoing operations and future projects.
- **Security Compliance**: Ensured all database migrations and deployments adhered to security policies and compliance standards, protecting sensitive data.

Contract Web Developer at Centro Inc, Worcester MA

April 2023 — August 2023

- **Web Development**: Created and enhanced web pages for Centro Inc's existing website, including the Financial Empowerment, Homeownership, and Rebuilding Futures sections. While enhancing over-all functionality and optimizing middle-ware services.

- **AI Integration**: Utilized AI to generate high-quality reviews and images, ensuring visually appealing and engaging content that resonated with the target audience.
- **User Experience Enhancement**: Improved the user experience by designing intuitive page layouts and navigation, making it easy for visitors to find and interact with relevant information.
- **Content Management**: Managed and updated website content, ensuring accuracy and consistency across all new and existing web pages.
- **Collaborative Development**: Worked closely with the Centro Inc team to understand project requirements and deliver solutions that aligned with their goals and objectives.
- **Quality Assurance**: Conducted thorough testing and debugging to ensure all web pages functioned correctly across various browsers and devices, maintaining high standards of quality and performance.
- **SEO Optimization**: Implemented SEO best practices to improve the visibility and searchability of the new pages, driving more traffic to the website.

Lead Officer at Dell Technologies RSA, Bedford, MA

March 2013 — September 2019

- **Team Management**: Effectively led and managed a team of security officers, focusing on individual development, comprehensive training, resource optimization, and efficient asset management to meet clients' physical security needs.
- **Compliance and Reporting**: Consistently delivered precise shift reports, conducted thorough audits, and meticulously documented incidents, ensuring adherence to high compliance and quality standards.
- **System Monitoring**: Audited and monitored sensitive systems, including server rooms and network access control protocols, to safeguard critical infrastructure and data.
- **24/7 Monitoring**: Implemented a robust chain of command structure for call-out replacements and scheduling, ensuring continuous 24/7 monitoring and meeting client expectations.
- **Security Protocols**: Enhanced security protocols and procedures, maintaining up-to-date knowledge of industry best practices and emerging threats.
- **Client Communication**: Maintained open communication with clients, addressing their security concerns and providing regular updates on security status and improvements.
- **Incident Response**: Led incident response efforts, coordinating with internal and external stakeholders to manage and resolve security incidents promptly and effectively.

Sales Representitive at Verizon, Leominster, MA

May 2012 — March 2013

- **Exceeded Sales Targets**: Consistently achieved and surpassed sales targets, demonstrating a strong ability to drive revenue and contribute to team success.

- **Exceptional Customer Service**: Delivered exemplary customer service, ensuring customer satisfaction and fostering long-term relationships through personalized service and attention to detail.
- **Product Knowledge**: Maintained comprehensive expertise in Verizon's smartphone and service offerings, enabling tailored recommendations that precisely met customer needs and preferences.
- **Team Collaboration**: Collaborated effectively with team members to achieve collective sales goals, sharing insights and strategies to enhance overall team performance and success.
- **Market Trend Adaptation**: Stayed updated on market trends and technological advancements, adapting sales approaches to align with current consumer needs and technology developments.
- **Effective Communication**: Demonstrated excellent communication skills by actively listening to customers, understanding their needs, and effectively conveying product benefits and features.

Sales Consultant at T-Mobile

April 2011 — May 2012

- Worked on commission alongside a team of dedicated sales professionals, consistently achieving and exceeding sales targets.
- Delivered exceptional customer service, ensuring customer satisfaction and fostering long-term relationships.
- Maintained in-depth knowledge of T-Mobile's smartphone and service offerings, providing tailored recommendations to meet customer needs.
- Collaborated with team members to achieve collective sales goals, sharing insights and strategies to enhance overall team performance.
- Managed sales transactions and customer information accurately, adhering to company policies and maintaining data integrity.
- Demonstrated excellent communication skills by actively listening to customers, understanding their needs, and effectively conveying product benefits and features.
- Built rapport with customers quickly, creating a welcoming and trustworthy environment that encouraged repeat business and referrals.
- Participated in community outreach events and promotions, engaging with potential customers and increasing brand awareness.
- Provided training and mentorship to new hires, fostering a collaborative and supportive team culture.

EDUCATION

Computer Science, Bloom Institute of Technology, San Francisco CA

November 2019 — October 2020

Full-Stack Web Development + Technical Interviewing

Accelerated Courses

- 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 MA

September 2012 — May 2014

- Completed foundational coursework in computer science, covering key topics such as programming, data structures, and database management.
- Developed practical skills through hands-on projects and labs, gaining proficiency in various programming languages and tools.
- Engaged in collaborative learning experiences, working on team projects that involved designing and implementing software solutions.
- Participated in extracurricular activities and student organizations, fostering a passion for technology and continuous learning.

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.

- Enhanced the user experience by optimizing the API for performance and scalability, handling large volumes of culinary data seamlessly.

Key Technologies: *Java, Spring Boot, SQLite3, JWT, Helmet, bcrypt, RESTful APIs*

Conway's Game of Life Simulation | Software Developer

Code Repository

Demo Application

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 game play mechanics.
- Improved application performance by leveraging React's virtual DOM and efficient state updates, providing a smooth and responsive user experience.

Key Technologies: JavaScript, React, Redux, HTML5, CSS3

Ecosoap Backend Contribution | Software Developer

Code Repository

Demo Video

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.
- Optimized backend processes to reduce latency and improve data processing efficiency, ensuring the application could handle increasing user demand effectively.

Key Technologies: Java, Spring Boot, Hibernate, MySQL, Agile methodologies

LANGUAGES   ◆ English   ◆ Spanish

Francisco Barrios   978-631-9130

- **Secured $750,000 in government funding for Centro Inc:** Developed site-wide functionalities and advertisements that met state homeownership program criteria. **Saved the company over $10,000** by efficiently developing their website, integrating payment systems for online courses, and creating ultra realistic AI-generated images, reducing reliance on costly stock photos, actors and advertising. I worked very closely with the organizations CEO and CTO, administrators and other teams as the lead developer to operate towards this goal of securing state funding. The mission was very successful.

  Related Links for reference:

  https://www.mass.gov/info-details/homeowner-assistance-fund-haf

  https://www.centroinc.org/financial-empowerment

  https://www.centroinc.org/rebuilding-futures

  https://www.centroinc.org/homeownership

- **Developed a HIPAA-compliant SaaS Application**: Spearheaded the development of a SaaS application used by hospital staff, streamlining patient data management while ensuring robust data security and privacy standards.

- **Integration of Secure Authentication Protocols**: Contributed to the integration of advanced secure authentication protocols within hospital billing systems. This initiative significantly enhanced data accuracy and privacy, ensuring compliance with stringent HIPAA regulations. By implementing robust security measures, I played a key role in safeguarding sensitive patient information and improving the overall reliability and trustworthiness of the billing processes.

- **Innovated Logistics and Monitoring Systems**: Designed and implemented logistics and monitoring systems for a major healthcare provider, improving operational efficiency and patient care.

- **Mentorship and Training for Junior Developers**: Acted as a dedicated mentor to entry-level developers, especially those transitioning directly from coding boot camps. Provided comprehensive guidance and support, fostering their growth and integration into the team. Developed and documented an extensive training environment that emphasized best practices, solid coding patterns, and proper engineering principles, ensuring a high standard of code quality and professional development among new team members.

Links:

Training Document

JIRA

- **HIPAA Compliance**: Expertise in developing applications that comply with HIPAA regulations, ensuring data security and privacy.
- **Secure Software Development**: Proficient in implementing secure software development practices.
- **Data Encryption & Security**: Skilled in using various encryption techniques to secure data.

- **User Authentication**: Experienced in implementing robust user authentication mechanisms.
- **Healthcare Billing Systems**: Knowledgeable in developing and maintaining healthcare billing systems.
- **SaaS Product Development**: Proficient in designing and developing SaaS products.
- **Agile Project Management**: Adept at managing projects using Agile methodologies, ensuring timely and high-quality deliverables.
- **Self-Motivated and Continuous Learner**: Demonstrated exceptional self-motivation and dedication to self-education by independently learning new and existing technologies. Consistently invested personal time in staying abreast of the latest advancements in the fast-paced tech industry. My proactive approach to continuous learning ensures that I remain up-to-date with cutting-edge developments, enabling me to contribute innovative solutions and maintain a high level of expertise in my field.

INTERESTS

- **Cloud Technologies and Automation**: Passionate about leveraging cloud technologies and automation to enhance system efficiencies.
- **Community-driven Development and Mentoring**: Actively engaged in community-driven software development and mentoring.
- **Exploration of Emerging Technologies**: Continuously exploring new technologies to contribute to future-forward projects.
- **Artificial Intelligence (AI)**: Enthusiast in AI technologies and their potential to transform various industries.

REFERENCES

References available upon request