JOEL BARRANCO

SOFTWARE ENGINEER

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Software Engineer with over 8 years of professional experience. Led development teams as a Staff Engineer at Western Governors University, leveraging modern technologies like Nest.js, Angular, React, TypeScript, AWS Lambdas, PostgreSQL, RXJS, Jest, and Node.js to deliver innovative features and achieve project milestones.

WORK EXPERIENCE

STAFF ENGINEER   March 2023 - Current
Western Governors University (WGU)

- Fulfill a pivotal role as a Staff Engineer, steering the development and enhancement of educational technology platforms using a modern stack including Nest.js, Angular, TypeScript, AWS Lambdas, PostgreSQL, RXJS, Jest, and Node.js.
- Act as the technical beacon and coordinator for the team, stepping in to guide and align project efforts in the absence of the Tech Lead.
- Spearhead the design and implementation of innovative features, contributing to the platform's evolution and ensuring it meets the diverse needs of stakeholders.
- Employ a collaborative approach to estimate story points accurately, facilitating efficient sprint planning and resource allocation.
- Provide mentorship and serve as a technical reference within the team, fostering a culture of excellence and continuous improvement in development practices.

TECHNICAL LEAD   March 2022 – March 2023
Paystand

- Lead development initiatives for two core features and one R&D project, impacting the platform's high-volume financial transaction capabilities.
- Ensure code quality through comprehensive reviews, contributing to the platform's robustness and reliability.
- Outline project requirements and timelines, manage team deliverables, and monitor progress towards quarterly goals.
- Proactively develop risk mitigation strategies, enhancing platform security and performance.
- Coordinate with cross-functional teams to deliver integrated solutions that meet stakeholder requirements.
- Conduct training and development sessions, improving team competency and efficiency in deployment processes.

PROJECT LEAD   May 2021 – Mar 2022
Oracle

- Lead a global development team, enhancing a significant SaaS application, and spearhead the transition to a modern Node.js backend.
- Drive the development of complex features, demanding deep insight into existing systems and sophisticated data manipulation techniques.
- As an IC4 level developer, guide coding practices and review processes, ensuring high standards across international teams.
- Innovate with alternative technological solutions, spearheading initiatives to replace legacy systems for enhanced feature implementation.

SENIOR FULLSTACK DEVELOPER
Oracle
Jul 2019 – May 2021

- Served as IC4 level Lead programmer within a large development unit, focusing on the delivery of intricate SaaS application features.
- Conducted thorough code reviews and monitored technical debt, ensuring the application's maintainability and scalability.
- Mentored team members, nurturing a shared understanding of TypeScript, JavaScript, and Node.js, and guide best practices in web development.

SENIOR FULLSTACK DEVELOPER
HP
Nov 2018 – Jul 2019

- Led the creation of high-performance RESTful APIs and user-friendly interfaces, advancing key business functions.
- Improved service performance by refining data mapping and implementing asynchronous processes to scale systems effectively.
- Developed new communication protocols utilizing Redis and WebSocket technologies to improve real-time interactions for users.
- Constructed thorough testing frameworks for services, leading to a notable decrease in bugs and increased stability of the product.

TECHNICAL LEAD
Stackcode
Dec 2017 – Nov 2018

- Steered a small development team at Stackcode, managing and mentoring while contributing as a FullStack Developer.
- Administered project lifecycles from conception to delivery, ensuring adherence to customer requirements and technological standards.
- Pioneered the development of robust, scalable backend systems and responsive front-end interfaces, enhancing the user experience and platform performance.

MID FULLSTACK DEVELOPER
VERSE Business
Feb 2016 – Dec 2017

- Collaborated on a multidisciplinary team, delivering tailored web platform solutions with the MEAN stack to meet client specifications.
- Designed and implemented responsive websites, administered servers, and optimized site designs for search engine visibility.

EDUCATION

BACHELOR COMPUTER ENGINEERING | Universidad Veracruzana   Veracruz, Mex | 2011 – 2016

SKILLS

JavaScript	TypeScript	Node.js
React	Angular	AWS Lambda
PostgreSQL	MySQL	MongoDB
Kafka	RabbitMQ	Redis
Jest	Mocha/Chai	Selenium
Go	Elixir	