Jorge Barney

Senior Software - Backend Engineer

jbchime2025@gmail.com   https://www.linkedin.com/in/jorge-barney-1b4783398/

SUMMARY

A senior software engineer is an experienced developer who designs, builds, and maintains complex software systems with a high level of autonomy. They make key technical decisions, ensure code quality, and guide the architectural direction of projects. Beyond writing efficient and scalable code, they collaborate closely with product managers, designers, and other engineers to turn requirements into reliable solutions.

With 14 years of industry experience, they bring deep technical judgment formed through years of solving real-world engineering challenges. They have worked across multiple system architectures, technology stacks, and project lifecycles, allowing them to anticipate scalability issues, performance bottlenecks, and long-term maintenance concerns before they arise. Their experience enables them to lead cross-functional initiatives, drive system modernizations, and shape engineering standards across teams.

They mentor junior developers, review code, and help improve team processes. A senior engineer is expected to diagnose difficult problems, optimize performance, and foresee technical risks. They also contribute to long-term planning by evaluating new technologies and proposing improvements to the existing stack.

Overall, a senior software engineer with 14 years of experience combines strong technical expertise with leadership, communication, and problem-solving skills to deliver high-impact software that supports business goals while guiding the direction of engineering teams and large-scale systems.

EXPERIENCE

Senior Software Developer
08/2023 - 08/2025

Keap

- Leading backend development for Keap's CRM and automation platform.
- Architected microservice-based systems using Node.js and PostgreSQL to improve scalability and reliability.
- Spearheaded API performance optimization and data pipeline automation, enhancing system throughput and uptime.
- Contributed to transitioning legacy systems into a modern, containerized environment with CI/CD integration.

Backend Developer
01/2022 - 08/2023

MST Solutions

- Designed and implemented RESTful and GraphQL APIs for enterprise-level Salesforce integrations.
- Focused on data modeling, process automation, and secure data synchronization between distributed systems.
- Collaborated with frontend teams to ensure high-performance backend architecture and maintainable service layers.

Software Engineer
01/2020 - 12/2021

Microchip Technology

- Built dashboards and charts withilities.
- Focused on developing and maintaining backend logic for embedded and IoT-based systems.
- Worked closely with firmware engineers to optimize data handling, API integration, and real-time communication between microcontrollers and cloud services.
- Gained a solid understanding of hardware-software interoperability and system-level data efficiency.

Lead Backend Engineer
01/2017 - 12/2019

American Express

- Led backend development for financial transaction and customer-service platforms.
- Built large-scale data pipelines enabling real-time fraud monitoring and analytics.
- Modernized system components by introducing cloud-ready, modular backend architecture.
- Mentored junior engineers and guided agile development practices within the backend team.

Senior Backend Developer
01/2014 - 12/2016

Axon

- Developed backend systems supporting Axon's public-safety software ecosystem.
- Designed microservice-based APIs for data processing, media storage, and device integration.
- Improved backend scalability and reduced service errors through performance tuning.
- Implemented automated testing pipelines, increasing release stability.

EXPERIENCE

Backend Developer

01/2011 - 12/2013

Carvana

- Built and maintained backend services for Carvana's online car retail platform.
- Developed REST APIs for inventory, pricing, and customer operations, improving reliability.
- Optimized SQL queries and backend workflows, reducing response time across key endpoints.
- Collaborated with frontend and data teams to enhance platform performance.

SKILLS

Backend Development: Python, C++, REST API, Microservices Architecture, Node.js

Web Development: JavaScript ES6+, HTML5, CSS3, UI Scripting, Browser-Based UI Optimization, React, Next.js

Database & Storage: SQL, Large-scale data indexing, Redis

DevOps: Linux Server Management, Containerized Workflows, Docker, Vercel, AWS, GCP

Tools & Workflow:
Git, Automation, Internal Tooling, Python, Debugging, Logging, Monitoring, Build Systems, Deployment Pipelines

EDUCATION

Bachelor of Computer Science

Arizona State University