HENRIQUE PAULO BONFIM DA SILVA

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Professional Summary

Senior Software Engineer with over 10 years of experience in IT, specializing in full-stack development using JavaScript, TypeScript and Node.js based frameworks. Proven track record of delivering scalable microservices, serverless, and event-driven applications across startups, B2B, fintech and government sectors. Skilled in system performance optimization, caching strategies, and distributed systems. Adept at collaborating with cross-functional teams to drive end-to-end product delivery. Passionate about applying generative AI and serverless architectures to build next-generation solutions.

Professional Experience

Upwork | *Senior Software Engineer* — **Mar 2025 - Present**

- Resolving backend and UI issues, improving platform stability, and documenting APIs and release notes to improve developer handover
- Contributing to technical documentation, bug reports, and facilitating clearer communication and project alignment.

Workana | *Senior Backend Software Engineer* — **Feb 2024 - Aug 2024**

- Architected a B2B solution integrating generative AI (OpenAI) with legacy on-demand microservices under NDA.
- Designed robust REST APIs with Nest.js and PostgreSQL, applying security best practices (input validation, JWT auth) and achieving 99.98% uptime.
- Built secure, distributed microservices using Redis and RabbitMQ queues, ensuring message integrity and high concurrency in production.
- Collaborated in a Kanban team to ensure continuous delivery and maintain high code quality.

Meu Financiamento Solar | *Senior Software Engineer* — **Nov 2021 - Apr 2023**

- Prototyped the entire SDLC and launching Brazil's largest credit acquisition platform for solar energy, increasing engagement by 300% post-launch.
- Enhanced KYC workflows to modern stack (Node.js, Next.js, TypeScript), implementing secure OAuth2 handling and SQL optimization that increased throughput by 22%.
- Built 4+ dashboards with React, Tailwind CSS, and Chart.js, enhancing cross-team insights and improving decision-making speed by 53%.
- Designed documentation and mentored new junior hires, improving team productivity by 40%.
- Collaborated in a cross-functional team and ensuring regulatory compliance across BV bank and fintech operations.

Portal Solar Ltda | *Mid-level Software Engineer* — **Nov 2020 - Nov 2021**

- Maintained high-traffic Node.js, React, and React Native applications serving 100K+ photovoltaic installers in Brazil.
- Refactored high-volume CRM modules with TypeScript, reducing API latency by 40% and improving backend resilience under peak loads.
- Contributed to continuous improvements in development processes by adopting agile methodologies, and conducting code reviews.
- Standardized documentation practices to align cross-functional teams, boosting efficiency by 20% in developing effective solutions

PIME (Pantanal Incubator) | *Mid-level Software Developer* — **Mar 2019 - Mar 2020**

- Maintained monolithic Java AGETIC system, optimized PostgreSQL queries, reducing storage costs by 30% and achieved 100% functional test coverage using JUnit.
- Built admin interfaces with JavaScript and Bootstrap, enhancing usability by 50%.
- Contributed to technical documentation and bug reports, facilitating clearer communication and project alignment.

LEDES | *Junior Software Developer* — **Jan 2018 - Dec 2018**

- Resolved 150+ backend and UI issues in SIGPROJ system, improving platform stability by 20%.
- Developed new modules and fixed bugs in JavaScript and PHP; also documented APIs and release notes to improve developer handover.

IndexT | *Junior Software Developer* — **Jan 2016 - Jul 2016**

- Developed agribusiness dashboards admin UIs with JavaScript and Bootstrap, improving navigation and UI/UX by 33%
- Contributed to technical documentation and bug reports, facilitating clearer communication and project alignment.

Sedit | *Technical Support Assistant* — **May 2013 - Dec 2014**

- Performed preventive equipment maintenance, increasing system uptime.
- Provided help-desk support with high first-contact resolution rate.

Certifications

- Google Cloud Certified - Associate Cloud Engineer
- Scrum Foundation Professional Certification (SFPC™)
- Docker Essentials - IBM
- AWS Certified Cloud Practitioner
- Developing Secure Software - Linux Foundation

Key Skills

- **Languages & Frameworks:** JavaScript, TypeScript, Node.js, Nest.js, Next.js, React, React Native, Python, FastAPI, Pytest, Java, Spring Boot, SQL
- **Architectures & Patterns:** Microservices, Event-Driven, Serverless, DDD, CQRS, Event Sourcing, Hexagonal, gRPC
- **Cloud & DevOps:** AWS, Lambda, Compute Engine, Cloud Run, Firebase, Docker, Kubernetes, Terraform, Helm, GitOps, EC2
- **Databases & Storage:** PostgreSQL, MySQL, MongoDB, Redis, AWS S3, Google Storage
- **Observability & Testing:** Prometheus, Grafana, CloudWatch, Jest, Cypress, JUnit, Selenium
- **CI/CD & Versioning:** Git, GitHub Actions, GitLab CI, Jenkins, GitOps
- **Security:** OAuth2, JWT, IAM Policies, DevSecOps, OWASP protocol
- **Soft Skills:** Leadership, Problem-solving, Flexibility, Active Listening, Empathy, Conflict Resolution, Creativity, Critical Thinking, Results-oriented, Technical Project Management, Team Management

Education

Campinho Digital | *Course, Cloud Computing* — **Sep 2023 - Dec 2023**

Federal University of Mato Grosso do Sul | *Bachelor's, Information Systems* — **Jan 2015 - Dec 2019**

Languages

- Portuguese (Native), English (Fluent), Spanish (Basic)