MICHELL ALGARRA BARROS

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SOFTWARE ENGINEER

Versatile software engineer with 4+ years of experience delivering high-impact solutions. Skilled in full-stack development, architecture design, and cross-functional collaboration, with a proven track in optimizing platform performance, driving revenue growth, and implementing scalable, maintainable systems.

WORK EXPERIENCE

Software Engineer   Aug 2024 - Present
Uber • Hybrid - São Paulo, Brazil
- Worked on cross-platform projects that unlocked over **$34M** in revenue.
- Collaborated on a Uber Eats feature that increased the **CTR** on one ad surface by approximately **60%**.
- Delivered a full-stack Web project enhancing metrics tracking, with an estimated **$1M** impact over a 12-month forecast.
- Built observability dashboards, implemented alert systems, and handled on-call rotations to monitor rollouts, detect incidents faster, and mitigate issues in ads-related operations.
- Performed code reviews and ran **A/B** tests to ensure technical quality, validate hypotheses, and drive improvements in user experience and ad performance.
- Partnered with cross-functional teams and stakeholders to deliver solutions aligned with business goals and technical requirements.

Developer Analyst 3   Oct 2023 - Aug 2024
Cadmus • Remote - Sorocaba, Brazil
- Led the code architecture and UI/UX design on the new version of the **Beefor** platform, guiding an agile team of 3 developers and delivering a product that increased leads and active users by approximately **3%**.
- Collaborated closely with the CTO of Beefor to design and implement solutions that met functional requirements and platform improvement goals.
- Performed regular code reviews, raising overall **code quality** and significantly reducing **technical debt** and **production issues**.

Full-stack Software Developer Intern   July 2021 - Apr 2023
Facens • Hybrid - Sorocaba, Brazil
- Developed and maintained a wide range of projects for the Liquid Galaxy Lab, including Web platforms, Backend services, and Android apps, supporting the lab's initiatives and ensuring consistent delivery.
- Coordinated a 4-member team to meet tight deadlines and constantly deliver an 8-month product, resulting in over **R$20k** in revenue.
- Introduced new development standards and delivery workflows, such as CI/CD pipelines, Git Flow, and improved code architecture and review, which increased **code quality** and **team efficiency**.
- Led the development of a secondary Google Summer of Code project for the Liquid Galaxy Lab, delivering it in less than **1 month** and achieving successful approval and recognition from Google.

ADDITIONAL EXPERIENCE

Google Summer of Code Contributor   Jun 2022 - Sep 2022
Google
- Developed an Android app that achieved more than **10,000 downloads** on Google Play (*not available anymore due to development account removal*), which aims to show information from satellites and ground stations available in the SatNOGS database.

Scientific Researcher   Sep 2020 - Jun 2021

Facens - Aramar • Sorocaba, Brazil
- Continued development of an academic assessment Web application for CIANA (Aramar Nuclear Instruction and Training Center), improving usability and reliability for instructors and trainees.
- Decreased **90%** of database requests by applying collection query concepts, improving the platform performance, and reducing cost prediction to **8%** of what was planned.
- Used Google Lighthouse to increase the application performance score from **44%** to **86%**, representing an improvement of **95%**.
- Implemented a new UI design to improve **user experience** and reduce the **learning curve** required to use the platform.

VOLUNTEER WORK

Software Developer   Aug 2020 - July 2021

Facens • Sorocaba, Brazil
- Contributed in projects for the university's innovation lab (Liquid Galaxy), troubleshooting over **60%** of all unresolved technical issues, while focusing on scalability and performance.
- Collaborated with peers and enhanced leadership skills by supporting team coordination and project development.

SKILLS

- **Frontend:** Angular (Advanced), React, SvelteKit, TypeScript/JavaScript, SCSS/CSS, Tailwind, PrimeNG
- **Mobile:** Ionic + Angular (Advanced), React Native, Flutter, Kotlin, Swift
- **Backend:** NestJS, Golang, Express (Node.js), Python, MongoDB
- **Other tools:** Jasmine, Jest, Cypress, Google Cloud, Firebase, GitHub Actions, Google Lighthouse, Cursor, VS Code, Figma

EDUCATION

Bachelor of Computer Engineering   Feb 2019 - Dec 2023

FACENS • Sorocaba, Brazil