

EUGÊNIO DORNELES DAS CHAGAS ARAÚJO

Full-Stack Developer · React · Next.js · TypeScript · Node.js · PostgreSQL

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PROFESSIONAL SUMMARY

Full-stack developer and Information Systems student at UFRPE (expected graduation in 2027), with experience delivering web and mobile applications end to end — from gathering requirements with the client through to release. On the front end I work with React, Next.js, React Native and TypeScript, writing reusable components and responsive interfaces. On the back end, with Node.js, Express, Prisma and PostgreSQL, building REST APIs with data modelling, transactional control, input validation and automated testing. Seeking an internship or junior software development position.

TECHNICAL SKILLS

Front end: React.js, Next.js, React Native (Expo), TypeScript, JavaScript (ES6+), HTML5, CSS3, Material UI, Styled-Components, Chakra UI, Sass, React Navigation, responsive design

Back end: Node.js, TypeScript, Express.js, Prisma ORM, PostgreSQL, MySQL, REST APIs, data modelling, transactions and concurrency control, idempotency, JWT authentication, schema validation with Zod, API documentation with Swagger, Axios

Quality and infrastructure: Vitest, unit and integration testing, Docker and Docker Compose, Git, GitHub, ESLint, Husky, npm/Yarn, Clean Code, performance optimisation

Foundations: Algorithms and data structures, software engineering, data modelling and databases

Languages: Portuguese (native) · English (advanced)

PROFESSIONAL EXPERIENCE

Web and Mobile Developer | Self-employed / Freelance — Remote

May 2025 – Feb 2026

- Built web and mobile applications for independent clients.
- Developed responsive interfaces and reusable components with React, JavaScript, HTML5, CSS3 and Material UI.
- Built React Native applications with screen navigation and REST API consumption.
- Gathered requirements directly with clients, delivered releases and handled post-delivery adjustments.
- Managed version control and work organisation with Git and GitHub.

PROJECTS

Grocery store inventory management API

github.com/eugeniol2/productsManagementStockAPI

Node.js, TypeScript, Express 5, Prisma, PostgreSQL, Zod, Vitest, Docker

- Inventory API with batch-level tracking: each purchase carries its own expiry date and cost, and product balance is reconstructed from a ledger of stock movements rather than a quantity column.
- Transactional sales with row-level locking (SELECT ... FOR UPDATE) and UUID-based idempotency, preventing oversold stock under concurrent sales and duplicate submissions over unstable connections.
- Automatic allocation from the nearest-expiry batch (FEFO) and input validation with Zod at the domain boundary, returning standardised error codes.
- Unit and integration tests with Vitest against a disposable PostgreSQL instance provisioned through Docker Compose.

Whispers of IO Explorer

whispersofio.vercel.app

Next.js 15, TypeScript, Material UI

- Interactive dashboard consuming public NASA APIs (APOD, EONET and Mars Rover Photos) to display astronomical imagery, natural events on Earth and photos of the Martian surface.
- Responsive interface with reusable Material UI components and full TypeScript typing.

Professional portfolio

eugenio.vercel.app

Next.js, TypeScript, Material UI

- Application bringing together projects, skills and contact details, focused on performance and responsiveness.

EDUCATION

BSc in Information Systems | UFRPE

Jan 2019 – May 2027 (expected)

- Emphasis on software development, grounded in algorithms and data structures, software engineering, data modelling and databases, and theory of computation.
- Interdisciplinary Project and Technological Development Project: real software delivered in a team setting.
- Final thesis (in progress): anomaly detection in audit logs, comparing static rules with supervised models (Random Forest and XGBoost).