DANIEL GARCIA

SENIOR SOFTWARE ENGINEER

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SUMMARY

Experienced full-stack software developer with over 8+ years of expertise in building scalable applications across diverse industries like E-commerce, Education, and Healthcare. I specialize in creating end-to-end solutions that leverage modern frameworks and cloud technologies, ensuring high performance, security, and compliance. Passionate about optimizing user experiences and delivering systems that drive business growth. Proven track record of enhancing both technical functionality and business outcomes through innovative software design.

SKILLS

Frontend:
- Modern frameworks: React, Angular, Vue.js
- HTML5, CSS3, JavaScript (ES6+), TypeScript
- State management (Redux, MobX, Context API)
- Responsive design & cross-browser compatibility

Backend:
- Server-side frameworks: Node.js (Express, NestJS), Django, Spring Boot
- RESTful APIs & GraphQL
- Microservices architecture & service-oriented design
- Authentication/authorization (OAuth2, JWT, OpenID)

Databases:
- Relational: PostgreSQL, MySQL, SQL Server
- NoSQL: MongoDB, Redis, DynamoDB
- Database design, indexing, query optimization, transactions

Cloud & DevOps:
- Cloud platforms: AWS, Azure, GCP
- Containers & orchestration: Docker, Kubernetes
- CI/CD pipelines: GitHub Actions, Jenkins, GitLab CI
- Monitoring/logging: Prometheus, Grafana, ELK stack

Testing & Quality Assurance:
- Unit, integration, and end-to-end testing
- Tools: Jest, Mocha, Chai, Cypress, Selenium
- Test-driven development (TDD) & behavior-driven development (BDD)

WORK EXPERIENCE

Full-Stack Developer | Boozt | Malmo, SE   2021- Present
- Developed a scalable multi-vendor e-commerce platform with **React** (frontend) and **Node.js**, **PostgreSQL** (backend), hosted on **AWS**, resulting in a 25% faster checkout process and 15% higher conversion rates.
- Built a secure payment system integrating **React**-based checkout UI with **Node.js**, **Express**, and **Stripe** & **PayPal** SDKs, reducing failed transactions by 30% while ensuring PCI-DSS compliance.
- Implemented a real-time order tracking dashboard using **React** for live updates and **WebSockets** + **Redis** in the backend, giving customers instant order visibility and reducing support inquiries by 40%.

- Redesigned product catalog and search functionality by combining a **React** dynamic filtering UI with **ElasticSearch** + **Node.js** API services, improving product discovery speed by 50% and boosting sales.
- Built an AI-driven recommendation engine by creating a **React** component for personalized product suggestions connected to a **Python** (**TensorFlow**) + **Node.js** microservice backend, increasing average order value by 20%.
- Developed an inventory synchronization module using **React** admin dashboard + **Node.js** cron jobs with **PostgreSQL** triggers, ensuring real-time stock accuracy and reducing out-of-stock errors by 40%.
- Optimized platform performance by implementing server-side rendering (**Next.js**) on the frontend and caching with **Redis** + **Nginx** load balancing on the backend, resulting in a 35% reduction in page load times.
- Set up continuous integration & deployment (CI/CD) with a **React** test suite (**Jest**) + backend unit tests (**Mocha/Chai**) integrated in **GitHub Actions** and **AWS CodePipeline**, reducing deployment errors by 60% and speeding up releases.

Software Engineer | Belitsoft | Warsaw, PL   2019 - 2021
- Built a Learning Management System (LMS) with **Node.js**, **Express**, and **MongoDB**, implementing efficient schema design and indexing to support 10,000+ concurrent learners.
- Designed and optimized course content storage and delivery using **PostgreSQL** for structured metadata and **AWS S3** for large media files, reducing content retrieval latency by 40%.
- Developed real-time analytics dashboards powered by **PostgreSQL** + **Redis** backend and exposed through REST APIs, enabling instructors to track student engagement in real time and improving teaching efficiency by 25%.
- Engineered a robust authentication and role-based access control system with **JWT** & **OAuth2** in **Node.js**, securely storing credentials in **PostgreSQL** and eliminating unauthorized access incidents.
- Integrated adaptive learning algorithms by building backend services in **Python** + **Node.js** and persisting learner progress data in **MongoDB**, which personalized study plans and increased course completion rates by 20%.
- Streamlined content search and recommendations by implementing full-text search in **PostgreSQL** with **Node.js** APIs, reducing query times by 50% and increasing learner engagement.

Junior Full-Stack Developer | SaludOnNet | Madrid, ES   2017 - 2019
- Designed a HIPAA-compliant patient portal using **Django**, **React**, **PostgreSQL**, and **AWS**, enabling secure access for 5,000+ patients.
- Developed a telemedicine module with **WebRTC** + **Node.js**, reducing appointment no-shows by 15%.
- Integrated **FHIR/HL7** APIs into the system using **Python** REST services, ensuring interoperability with hospital EMR/EHR systems.
- Built a secure appointment scheduling system with **React** + **Express**, improving clinic efficiency by 25%.

EDUCATION AND CERTIFICATION

Bachelor's degree in Computer Science | University of Madrid | 2014 - 2017