

Daniel Abdiaj

Nobilegasse 51/5 Wien Austria | da.abdiaj@gmail.com | +43-676-917-54-09 | linkedin.com/in/daniel-abdiaj
github.com/DanielAbdiaj

About Me

As Software Engineer, I have a deep appreciation for the constantly evolving world of technology. I am always seeking out new knowledge and skills, and I thrive on the challenge of solving complex problems. Whether it's working on a team to develop software or finding a difficult technical issue on my own, I am driven to deliver the best possible results. With a passion for learning and a strong work ethic, I am confident that I can succeed in any role in the field of technology.

Education

Epoka University, B.Sc. in Computer Engineering Oct 2020 – Jul 2023

- **GPA:** 3.7/4.0 (Epoka University)
- **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory, Discrete Mathematics, Parallel Computing, OS, Data structures, Database, Network etc.

University of Wien , M.Sc. in Computer Science Mar 2025 – Present

- **Coursework:** Distributed Systems, Information Security Management, Parallel Computing, Foundations of Data Analysis, Information Management and Systems Engineering

Experience

Frontend Software Engineer, Duotech Nov 2023 – Mar 2024

- Architected and implemented modular Vue.js components utilizing Composition API and TypeScript
- Engineered pixel-perfect responsive interfaces from Figma specifications using SCSS and CSS Grid/Flexbox.
- Developed reusable component libraries following to Atomic Design methodology and SOLID principles.
- Implemented robust state management solutions using Pinia stores with strict typing and actions pattern.
- Orchestrated seamless integration with RESTful APIs using Axios interceptors and custom middleware.
- Optimized component rendering performance through computed properties, watchEffect, and lazy loading.
- Implemented comprehensive debugging strategies using Vue Devtools, Chrome DevTools Vue panel, and source maps for efficient bug tracking and resolution.

Full Stack Software Engineer, Duotech Mar 2024 – Present

- Engineered full-stack features using Angular.js, Node.js, and MongoDB with Typescript/Javascript.
- Architected and implemented RESTful microservices using Express.js with custom kernel package for centralized error handling, structured logging, and database model management.
- Containerized workers using Docker and orchestrated with Kubernetes for scalability.
- Optimized database queries resulting in improved response times using Elastic-Search.
- Architected and implemented multi-provider HR system integrations using TypeScript/Node.js
- Designed extensible provider configuration system supporting dynamic field mapping and reference data handling
- Built real-time employee synchronization services with AWS SQS integration for event-driven updates
- Implemented OAuth2 and API Key authentication flows with provider-specific credential validation

Frontend Software Engineer, Freelance Jun 2024 – Present

- Architected a scalable e-commerce platform using Next.js 14 with Server Components and TypeScript.
- Implemented server-side rendering (SSR) and static site generation (SSG) for optimal performance.
- Developed a JWT-based authentication system with re-rotation of tokens for enhanced security.

- Implemented advanced caching strategies using React Context for optimized data fetching.
- Achieved 95+ Lighthouse scores through performance optimization techniques.
- Used Stripe payment processing with webhook handling for automated order management.

Projects

Healthcare Billing Application

- Engineered a high-performance Vue.js application processing a high amount of daily billing transactions.
- Developed a custom state management solution using Pinia with persistent storage and encryption.
- Leveraged AWS Comprehend for automated medical billing classification and intelligent data analysis, achieving accuracy in billing categorization.
- Architected modular component system with reusable components following Atomic Design.
- Tools Used:
 - **Vue.js 3:** For building interactive user interfaces
 - **Ant Design Vue:** For UI component library
 - **Pinia:** For state management
 - **Figma:** For UI/UX design implementation
 - **TypeScript:** For type-safe development
 - **Atomic Design:** For component-based architecture
 - **Vite:** For development and build tooling

Healthcare Training Application

- Developed distributed microservices system processing 20K+ daily users.
- Engineered custom ETL pipelines for third-party HR system using one click integration (Empeon, UKG and Alayacare).
- Optimized Elasticsearch query performance by 89% using custom services and aggregation pipelines for report generation.
- Developed custom Node.js workers for processing high-volume background tasks.
- Implemented multi-level user hierarchy system with custom permissions for organizations, departments, and agencies.
- Developed agency management role supporting healthcare agencies with secure data isolation.
- Tools Used:
 - **TypeScript:** For type-safe backend and frontend development
 - **Node.js/Express.js:** For building REST APIs
 - **React.js/Angular:** For frontend development
 - **Microservices:** For scalable service architecture
 - **Elasticsearch:** For optimized search and reporting
 - **MongoDB:** For database management
 - **RabbitMQ:** For message queuing between services
 - **Docker:** For containerization
 - **Kubernetes:** For container orchestration
 - **Jenkins:** For CI/CD automation
 - **Redis:** For caching
 - **Grafana:** For monitoring

Dancing Shoes E-commerce Platform

- Architected scalable e-commerce platform using Next.js 14 and Server Components.
- Developed custom analytics dashboard with Chart.js visualizations.

- Used secure payment processing with Stripe Elements.
- Implement performance improvement through image optimization and lazy loading.
- Tools Used:
 - **TypeScript**: For type-safe development
 - **Next.js v14.1**:
 - * Server-side rendering for better performance
 - * Dynamic content management
 - * Fast API routes
 - **Material UI v5**:
 - * Custom theme development
 - * Responsive design
 - * Reusable components
 - **Chart.js**: For data visualization
 - **Amazon Cognito**: For user authentication
 - **Context API**: For state management