Mikhail Pasichniuk

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EXECUTIVE SUMMARY

Focused and detail-oriented Software Engineer with hands-on experience designing, developing and optimizing web applications using JavaScript, React, Ruby on Rails, PostgreSQL, HTML and CSS.

Proven expertise in building robust RESTful APIs, managing relational databases, and implementing responsive, intuitive and user-friendly interfaces. Adept at Agile methodologies and collaborating with cross-functional teams to deliver high-quality software solutions within reasonable deadlines. Also skilled in 2D and 3D animation, video editing, storytelling, script writing and product management.

AREAS OF EXPERTISE

Object-Oriented Programming | RESTful APIs | Web Development | UI/UX Development | Containerization | SQL Databases | Version Control | Generative AI | Development Tools | Machine Learning | Functional Programming | Operating Systems | Responsive Web Design | Game Development | 2D&3D Animation | Cloud Services | Data modeling | Prompt Engineering | Retrieval-Augmented Generation

TECHNICAL SKILLS

Ruby on Rails | React | JavaScript | TypeScript | Python | PostgreSQL | Linux | React Router | Redux | Git | HTML | CSS | Docker | Lua | Figma | Storybook | Vim | LLMs | ActiveRecord | MVC | Blender3D | Three.js | Unreal Engine | Godot | GitHub | GitLab | AWS | Hostinger | Render.com | Adobe Premiere | After Effects

PROFESSIONAL EXPERIENCE

FireTextResponse.net – Remote   April 2024 - June 2024
Ruby on Rails Developer   (short-term contract)

- Re-engineered Ruby on Rails API from scratch going from legacy Rails 2.0 to modern Rails 7.
- Introduced database indexes resulting in significant improvement in database performance.
- Reduced tech debt by ~50% by implementing modern safety features and trimming legacy code.
- Moved all the DB data from old MySQL to new PostgreSQL, involving more than 10 million records.

DebtBook – Charlotte NC   March 2022 - April 2024
Full Stack Software Engineer – Global Team

- Developed a modern web application for managing public finances using Rails and React.
- Created a full stack feature "Documents" to list user's files uploaded to the system – created routes, migrations, adjusted models and controller actions, and created and assembled React components.
- Engineered filtering and sorting features using Ransack gem on BE in Rails and React on FE.
- Architected a full stack feature "Notifications" Using WebSockets and ActiveCable gem to create a dynamic live feed between FE and BE so users can immediately receive notifications when their data is done processing and is ready to download.
- Programmed a feature enabling users to export data into an Excel file, constructed with the AXLSX gem in Rails, and integrated utilizing Sidekiq for asynchronous background processing.
- Architected RESTful APIs that served data to the React/JavaScript front-end based on dynamically chosen user inputs that handled multiple concurrent users.
- Analyzed and improved existing features using React, JavaScript, Ruby on Rails, and PostgreSQL.
- Reduced slow query times by ~85% by fixing N+1 queries in Ruby on Rails models.
- Implemented responsive and intuitive user interfaces using React, JavaScript, and UI libraries.
- Collaborated with cross-functional teams, both in-house and overseas contractors, to gather requirements, prioritize tasks, and deliver high-quality software solutions within deadlines.
- Facilitated ~50+ debugging, troubleshooting and code review sessions with team members to solve issues, maintain code quality, and optimize performance.

- Supplied technical guidance and did pair-programming sessions with each new team members, fostering a collaborative and supportive work environment and helping teammates onboard faster.
- Developed ~40+ new automated tests, including model, controller, and integration tests, resulting in improved code coverage and enhanced software reliability.
- Optimized database performance by introducing indexes to oversized tables.
- Constructed ~20+ new React components and contributed them to the shared in-house UI library, resulting in a more cohesive design system and faster development times.
- Executed targeted code optimizations, resulting in reducing known bugs backlog by ~50% and also reducing regression bugs count.
- Compiled documentation to reduce new team members' time to onboard.
- Tackled over 100+ product stories in GitLab, resulting in fixing bugs and building new features.

DualBoot Partners – Remote   January 2022 - March 2022
Frontend Software Engineer – DebtBook Project Team
- Developed web application for managing public finances using React, JavaScript, HTML, and CSS, focusing on building responsive and intuitive user interfaces and experiences.
- Engaged in Agile practices, including sprint planning, daily stand-ups, and retrospective meetings.
- Coordinated closely with UX/UI designers to translate design mockups into functional web interfaces.
- Developed reusable UI components using React, resulting in improved development efficiency and consistency of UI/UX across the application.
- Collaborated with backend developers to integrate RESTful APIs, enhancing the functionality, implementing new features, and enhancing the performance of the application.
- Utilized version control tools Git and GitLab for efficient code management and collaboration.

EDUCATION

Russian State Technological University "MATI-RGTU" – Moscow, RU   June 2008
Master's degree in Accounting, Financial Analysis, and Auditing

PERSONAL PROJECTS

3D Floating Island website (2024)
- Built and deployed interactive 3D Portfolio using React, JavaScript, R3F, Three.js, TailwindCSS
- Deployed to hostinger.com cloud service

Ruby on Rails full stack application – Reddit clone (2024)
- Built RESTful API back-end and interactive front-end for a Reddit-style web application
- Deployed to render.com cloud service

React Portfolio Website (2021)
- Built interactive Single Page App using React Hooks and frontend libraries like Material UI
- Deployed to GitHub Pages static website cloud service.

COURSES & CERTIFICATION

Python for Data Science • Ruby • Visual Basic • JavaScript Algorithms and Data Structures • HTML5 • CSS • Java SE 1.8 • Android Studio • 3DS MAX

VOLUNTEER

- Meal packer at "Rise Against Hunger" charity event at First Presbyterian Church, Charlotte, NC
- Participated in the 2023 Annual non-profit 5k Marathon "Water for People" in Charlotte, NC

LANGUAGES

Fluent in Russian and Ukrainian, with a foundational proficiency in Latin.