

Bartosz Piekarz

Software Developer

Kraków, Poland

Projects website: <https://bakerbart.github.io/>

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Summary

Software Developer with 2+ years of commercial experience in Ruby on Rails, specializing in backend development, designing fine-grained access controls, implementing robust authentication systems, and architecting secure API integrations, and scalable web applications. Skilled in collaborating with cross-functional teams, integrating external services (e.g., SportsData.io, Stripe), and leveraging AWS for secure solutions. Recently exploring cybersecurity and eager to tackle new challenges in dynamic projects.

Skills

- **Backend:** Ruby on Rails (2.5+ years), REST API development
- **Frontend:** React.js (basic proficiency)
- **Databases:** PostgreSQL, Airtable, Database Modeling
- **Cloud/Hosting:** AWS (S3, Secret Manager, SES), Heroku
- **Tools:** Git, AI tools (ChatGPT, Copilot, Claude, Grok)
- **Languages:** English (B2), Polish (native)
- **Security and Authentication:** Devise, Auth0, Multi-Factor Authentication, Magic Link, Access Policies
- **Other:** Agile teamwork, SOLID principles, clean code

Professional Experience

Software Developer

Lunar Logic, Kraków | Feb 2022 – Aug 2024

- **Implemented secure AWS integrations** including S3 for storage, Secrets Manager for credential management, and SES for email delivery within Rails applications
- **Built and integrated REST APIs** for communication between Rails backend and React frontend, as well as external services including SportsData.io, Stripe, Mailgun.

- **Translated business requirements into technical solutions** by collaborating in client-facing discovery workshops to define product scope and convert business needs into actionable development tasks
- **Developed and maintained Ruby on Rails applications** with focus on CRUD operations, code scalability, and reusability following SOLID principles and clean code practices
- **Contributed to key technology and architecture decisions** by actively participating in technical planning, for example evaluating WebRTC against third-party managed services for real-time communication features
- **Architected scalable PostgreSQL database schemas** to support new application features, focusing on data integrity, query performance, and long-term maintainability in complex service environments
- **Designed secure API contracts** for seamless frontend-backend collaboration, creating clear and efficient data exchange protocols between Rails backend and React frontend components
- **Engineered fine-grained access control systems** by creating custom user whitelisting mechanisms that integrated Airtable with Rails backend and Auth0, establishing foundational security layers.
- **Developed secure authentication and authorization systems** using Devise, Auth0, and Magic Link implementations, protecting sensitive user data through robust multi-factor authentication solutions.

Additional Contributions

- **Mentoring:** Served as a coding buddy for junior developers, helping them solve issues, explain workflows, and onboard into projects via pair programming.
- **Hiring:** Participated in candidate interviews, helping assess code skills through live tasks and technical questions.
- **AI Advocacy:** Created and delivered an internal tech talk about responsible use of LLMs like ChatGPT for developers.
- **Hardware & DevOps:** Volunteered to manage laptop setup and handover, and helped maintain developer machines. Also self-learned AWS when the company shifted its infrastructure to the cloud.

Projects

A selection of personal and professional projects is available on my portfolio website:
<https://bakerbart.github.io/>

Education

- Postgraduate Studies: Web Application Programming

AGH University of Science and Technology, Kraków | 2020 – 2021 | Grade: 5.0

- Bachelor's Degree: Computer Science (Software Engineering)

University of Economics in Kraków | 2016 – 2020 | Grade: 4.0

- Python Backend Developer Bootcamp

CodersLab | 2019