Contact

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(LinkedIn)

Top Skills

MBA
Master of Business Administration
Artificial Inteligence

Languages

niemiecki (Limited Working)
angielski (Professional Working)
słowacki (Elementary)

Certifications

98-364:MTA: Database
Fundamentals

Front-End Developer

98-361:MTA: Software Development
Fundamentals

98-367:MTA: Security Fundamentals

98-375:MTA: HTML5 Application
Development Fundamentals

Honors-Awards

ISS LOOKOUT - NASA Space Apps
Challenge 2022 | Participation

Bank Pipeline | Asseco Blockchain
Fintech Challenge 2021 | 3rd Place

Application to Reduce Air Pollution |
SheepYourHack 2021 | Participation

Distinction - Website Development
Competition | "Webmaster is Me"
2019

Digital Olympics

Kamil Musial

Principal Engineer | ## Fullstack System Designer | Business-Driven
Technologist (MBA)
Warsaw, Mazowieckie, Poland

Summary

I architect and scale production-critical systems from 0 to millions of
users—delivering measurable business impact through cutting-edge
full-stack engineering.

With 9+ years across enterprise, fintech, energy, and IoT sectors, I
combine deep technical expertise (Node.js, TypeScript, React, AWS,
Kubernetes) with an MBA in Strategic Management & Leadership. I
don't just write code—I align technology with business growth, lead
cross-functional teams, and drive architectural decisions that matter.

What I Deliver:

Scalability & Performance
• Scaled platforms from 10k → 1M+ users with <2s response times
and 99.99% uptime SLA
• Reduced infrastructure costs by 45% through Kubernetes
optimization and serverless refactoring
• Architected 3 microservice ecosystems adopted by 4+ international
product teams

System Modernization & DevOps
• Rewrote legacy aviation backend in 2 months—eliminated 95% of
critical bugs, 300% faster response
• Implemented zero-downtime CI/CD pipelines and DevSecOps
policies adopted org-wide
• Introduced domain-driven design across 3 codebases, cutting tech
debt by 70%

Innovation & Leadership
• 1st Place – HackYeah 2023 (Europe's largest hackathon):
national-scale data resilience solution
• Designed blockchain payment engine adopted by fintech
accelerator

• Built AI-powered sign-language-to-speech accessibility app (awarded by WSEI Kraków)
• Mentored 12+ engineers, scaled teams from 2 to 10+ people

Real-World Impact
• Delivered 15+ fullstack products: banking, logistics, e-commerce, healthcare
• Built IoT logistics platform combining Node.js, React, C++, and real-time C2 integration
• Created travel marketplace acquired by private investor after MVP traction

Tech Stack:
TypeScript, Node.js, React, Angular, NestJS, C#, AWS, Azure, Kubernetes, Microservices, Event-Driven Architecture, CI/CD, DevOps, SQL, NoSQL, Blockchain, WebGL, Unity

Beyond the Code:
I bring business intuition to technical decisions. My MBA training in strategic management, negotiation, and leadership enables me to see beyond features—focusing on ROI, scalability, and long-term architectural health.

I'm not looking for a "job"—I'm hunting impact, innovation, and autonomy in high-stakes environments.

If you're building something bold—I bring the architecture, code, culture, and leadership to make it inevitable.

Full CV: https://docs.google.com/document/d/14WStHPxoGWKkgvxIiMXMoxLPle9ISDfqsr6mDMLjJK4/edit?usp=sharing

Let's connect and discuss how technology can drive your next breakthrough.

Experience

Coursedog

Senior Software Enginieer
November 2025 - Present (2 months)

Devire
Senior Software Engineering
May 2025 - October 2025 (6 months)
Warszawa, Woj. Mazowieckie, Polska

At Devire, my focus is on building and optimizing digital payment and checkout solutions, ensuring seamless in-store and online purchasing experiences. My responsibilities extend across backend engineering, feature development, and system integration — always with a focus on scalability, operational excellence.

Responsibilities

• One-Time Card Management – Oversaw the lifecycle of digital cards from generation to purchase confirmation, implementing risk-based processes for secure and frictionless transactions.

• Service Fee Management – Designed and managed fee logic and pricing as a core monetization driver, balancing strategic goals with customer expectations.

• Payment Method Integration – Built and maintained backend integrations and user-facing payment interfaces, ensuring reliability and compliance.

• System Reliability – Supported disaster recovery testing to validate stability and fault tolerance of mission-critical services.

• Documentation & Process Improvement – Created documentation for workflows and architecture, defining best practices to improve collaboration and efficiency.

Key Achievements

• Contributed to dashboards optimizing KPIs such as WAU, funnel conversion rates, and profit/loss analysis.

• Drove revenue growth by aligning fee structures with strategic monetization goals.

• Improved conversion analysis and workflows, boosting efficiency and developer experience.

• Enhanced platform reliability with disaster recovery protocols, strengthening user trust.

Technical Expertise

Backend architecture • Payment system integrations • Infrastructure as Code (IaC) • Conversion funnel optimization • Risk analysis • Performance monitoring • Disaster recovery & observability

Impact: Enhanced digital payment capabilities, delivered a unified checkout experience, increased customer satisfaction, and improved merchant adoption — all while ensuring solutions generated measurable business value and long-term scalability.

ALDI Tech Hub
Senior Technology Consultant
November 2023 - April 2025 (1 year 6 months)
Kraków, Woj. Małopolskie, Polska

I play a multifaceted role that extends beyond software development to include Product Ownership, DevOps, System Architecture, and Technical Leadership. While my primary focus is on backend and frontend development, I actively engage in system design, strategic planning, and cross-team collaboration to ensure efficiency, scalability, and long-term maintainability of our solutions.

Leveraging my expertise in Node.js and React.js, I contribute to the development and enhancement of key internal systems, implementing best practices in software engineering. I take ownership of critical technical initiatives, including architectural improvements, system optimizations, and performance tuning to enhance maintainability, reliability, and security. I also participate in code reviews, testing, and CI/CD automation, ensuring seamless deployments and high-quality standards.

Beyond development, I focus on process optimization and risk assessment, working with stakeholders, product managers, and DevOps engineers to align business goals with scalable solutions. I take a proactive approach to modernizing legacy systems, improving stability, efficiency, and cost-effectiveness.

I am committed to continuous improvement, frequently driving new initiatives to enhance system resilience, reduce costs, and increase development efficiency. My role also involves mentoring engineers, fostering collaboration, and advocating for best practices to strengthen engineering culture within the organization.

With a passion for scalability, innovation, and problem-solving, I thrive on architecting complex systems, integrating emerging technologies, and optimizing high-performance applications. Whether streamlining workflows, modernizing infrastructure, or implementing microservices, I embrace challenges that drive business growth and efficiency.

Avenga
Senior Software Engineer
October 2022 - October 2023 (1 year 1 month)
Kraków i okolice

At Avenga, I was responsible for ensuring software quality, maintainability, and performance by implementing comprehensive testing strategies and rigorous code review processes. My role encompassed backend and frontend development, where I focused on building scalable, high-performance applications using Node.js, React.js, and AWS.

I played a key role in designing and implementing new features, maintaining high security, scalability, and system efficiency standards. My expertise in AWS allowed me to leverage various cloud services to optimize performance, enhance reliability, and ensure seamless scalability. Additionally, I contributed to CI/CD automation, utilizing Jenkins and cloud-based deployment pipelines to streamline releases, improve efficiency, and reduce system downtime.

Beyond development, I actively collaborated with cross-functional teams, including product managers, designers, and DevOps engineers, ensuring that technical solutions aligned with business objectives. I worked extensively with microservices and micro frontend architectures, emphasizing modular, maintainable, and scalable solutions to support complex, large-scale applications.

A significant part of my role was mentoring junior developers, conducting technical workshops, and fostering a culture of continuous improvement and knowledge sharing. I also took initiative in optimizing legacy systems, improving codebase efficiency, and driving forward engineering best practices to ensure long-term maintainability and scalability of enterprise solutions.

Euvic
Back End Developer
May 2022 - October 2022 (6 months)
Kraków i okolice

At Euvic sp. z o.o. in Kraków, I worked as a Backend Developer from May 2022 to October 2022, contributing to a large-scale project for an external client in the aviation industry. My primary role involved developing, optimizing, and maintaining multiple APIs critical to the company's operations.

One of my key tasks was redesigning the entire API system, transitioning it to a RESTful architecture to improve performance, scalability, and maintainability. This required designing a new database schema, restructuring API endpoints, and optimizing data flow between services. Additionally, I worked on an existing second API, where I was responsible for fixing bugs, implementing new features, and ensuring efficient data processing to enhance overall system stability.

I was also heavily involved in developing a new application connected to a third API, collaborating directly with the client to gather requirements and build a scalable, reliable, and user-friendly solution. Throughout this process, I ensured seamless integration with cloud-based infrastructure, leveraging Azure and CI/CD pipelines for automated deployments and system monitoring.

Beyond technical implementation, I worked closely with frontend developers, DevOps engineers, and stakeholders, ensuring that all APIs and applications aligned with business goals and technical requirements. I actively participated in code reviews, testing strategies, and performance optimizations, reinforcing best practices in software engineering.

My time at Euvic was both challenging and rewarding, providing valuable experience in building scalable backend architectures, optimizing cloud-based services, and working in a fast-paced, client-focused environment. I enjoyed collaborating with my colleagues, solving complex backend challenges, and contributing to a high-impact project in the aviation sector.

Asroom
Full-stack Developer
August 2018 - May 2022 (3 years 10 months)
Kraków i okolice

At Asroom sp. z o.o., I worked as a Full Stack Developer, contributing to the development of diverse digital solutions for clients across various industries. My role involved both front-end and back-end development, ensuring that applications were fast, scalable, and intuitive, while also collaborating closely with designers to deliver a seamless user experience.

One of the most impactful projects I worked on was developing an in-house tool for managing customer orders and tracking inventory levels. This solution helped streamline operations, improve workflow efficiency, and enhance customer service. I was responsible for designing the database schema, developing APIs, and building the front-end interface. Additionally, I provided training sessions for staff, enabling a smooth adoption of the tool and boosting productivity.

Beyond internal projects, I worked on custom websites, web stores, and web applications, tailoring each solution to client-specific requirements. I enjoyed working closely with clients, understanding their needs, and delivering high-quality, bespoke applications that aligned with their business goals.

As a team lead, I was involved in hiring and managing IT professionals, overseeing budget planning, sprint management, and resource allocation. I ensured that each team member had the necessary tools, training, and support to succeed. Additionally, I provided ongoing mentorship, fostering skill development and promoting best engineering practices.

My time at Asroom was both rewarding and challenging, allowing me to expand my expertise in front-end and back-end technologies, project management, and team leadership. I look forward to applying these skills in future projects and continuously growing as a software engineer.

Financeroom
Frontend Web Developer
August 2015 - August 2018 (3 years 1 month)
Powiat Myślenicki, Woj. Małopolskie, Polska

At Financeroom, I worked as a Frontend Developer, collaborating closely with clients, designers, and developers to create custom web solutions tailored to business needs. My role involved designing and implementing intuitive, visually appealing, and high-performance websites that provided an exceptional user experience across different devices.

Beyond frontend development, I gradually expanded my expertise into backend technologies, gaining hands-on experience in server-side scripting, database design, and API development. This allowed me to contribute to more complex, full-stack projects, integrating frontend and backend components into fully functional web applications.

A key part of my work involved optimizing website performance, accessibility, and responsiveness, ensuring that applications were fast, scalable, and SEO-friendly. I leveraged modern HTML5, CSS3, and JavaScript frameworks to build interactive user interfaces while also working on WordPress-based projects, customizing themes and plugins to meet specific client requirements.

I was actively involved in problem-solving and debugging, ensuring smooth functionality and cross-browser compatibility. By working directly with clients, I developed a strong understanding of business needs and customer expectations, allowing me to translate requirements into high-quality technical solutions.

My time at Financeroom was a valuable learning experience, providing me with a strong foundation in frontend and backend development. It also helped me develop collaboration, communication, and problem-solving skills, which continue to influence my work as a full-stack developer.

Education

Wyższa Szkoła Ekonomii i Informatyki w Krakowie
Informatyka i Ekonometria · (2020 - 2023)

Technikum
technik informatyk, Matematyka i informatyka · (2015 - 2019)