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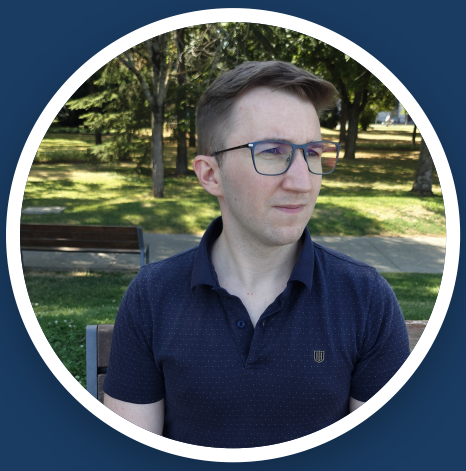
tamasbartos.com

LinkedIn Profile



TAMÁS BARTOS

SUMMARY

Results-driven software engineer with 8+ years of experience in software architecture, cloud infrastructure, and full-stack development. Adept at designing and delivering scalable microservices and event-driven systems using AWS and modern frameworks. Proven leader and mentor with a track record of collaborating across international teams and driving projects from concept to deployment.

SKILLS

LANGUAGE

Node.js | JavaScript | TypeScript | Python

FRONTEND

GraphQL | React

CLOUD

AWS | CDK | SNS | SQS | S3 | Lambda | ECS | EKS | RDS

DATABASE

PostgreSQL | DynamoDB | MongoDB

WORK EXPERIENCE

Senior Software Engineer

Joyn GmbH

2021 - Present

- Designed and architected event-driven microservices using AWS services (Lambda, SQS, SNS, DynamoDB, RDS) and Apache Kafka with Python and Node.js
- Led cross-team communication and coordination for microservices integration and deployment
- Implemented CI/CD pipelines using GitLab for automated deployment and microservices orchestration
- Pioneered AWS CDK (Infrastructure as Code) adoption for the team, standardizing infrastructure deployment and management
- Conducted technical design reviews and mentored team members on AWS best practices and microservices patterns
- Convert business requirements into detailed Jira tickets and design technical architectures for new features
- **Achievement:** Lead and maintain 30+ microservices across production environment
- **Achievement:** Implemented new license management tool achieving 4x faster processing speed and 40% reduction in bugs
- **Achievement:** Optimized asset delivery workflow: reduced processing time from 1500 seconds to 150 seconds for 1000 assets (90% improvement)
- **Achievement:** Reduced infrastructure costs by 50% through workflow optimization
- **Achievement:** Eliminated daily bugs and achieved zero incidents for 1+ years through workflow improvements

Associate Lead Software Engineer

Mentor Graphics (Siemens Business)

2019 - 2021

- Led technology evaluation and architecture decisions for global development teams, recommending modern cloud-native solutions
- Designed and implemented microservices architecture using AWS ECS, Docker containers, and Node.js for scalable applications
- Developed React-based SVG asset management application handling 10,000+ complex vector graphics with real-time preview
- Architected and executed cloud migration strategy for legacy Java monolith, transitioning to AWS microservices
- Established CI/CD pipelines and deployment strategies for containerized applications across multiple environments
- **Achievement:** Successfully migrated 100% of legacy Java application to AWS cloud infrastructure
- **Achievement:** Reduced infrastructure costs by 30% through cloud optimization
- **Achievement:** Improved application performance by 50% through microservices architecture

INFRASTRUCTURE

Apache Kafka | Docker | GitLab CI/CD

PRACTICES

Agile | Jira

MONITORING

Grafana | Datadog

STRENGTHS

- Problem-solving
- Team collaboration
- Leadership

EDUCATION

High School
Radnóti Miklós Gimnázium
2007 - 2011

Bachelor's Degree in Economic Informatics
University of Szeged
2011 - 2017

Senior Software Engineer

EPAM Systems

2018 - 2019

- Designed and developed 10+ AWS microservices for warehouse management system using Node.js and serverless architecture
- Built custom AWS Lambda authorizer for comprehensive user authentication and authorization across all microservices
- Implemented Infrastructure as Code using AWS SAM (Serverless Application Model) for automated deployments
- Mentored junior developers on AWS best practices, serverless patterns, and microservices development
- **Achievement:** Created 10+ AWS microservices for warehouse management system with serverless architecture
- **Achievement:** Developed custom authorizer handling full user authorization responsibility across all services
- **Achievement:** Mentored 3+ junior developers and improved team code quality standards

Junior to Lead Software Engineer

Gremon Systems Zrt.

2016 - 2018

- Developed comprehensive employee management system for greenhouse operations including job allocation, payroll processing, and workforce optimization
- Built intelligent plant monitoring and irrigation system with complex data processing algorithms to determine optimal watering requirements
- Implemented real-time IoT sensors and data analytics for plant health monitoring and automated irrigation decision-making
- Led and coordinated development team including 2 junior developers and outsourced senior developer across multiple projects
- Designed scalable architecture for agricultural IoT systems using AWS cloud services and modern web technologies
- **Achievement:** Implemented complex data processing algorithms for automated plant watering decisions with 95% accuracy
- **Achievement:** Improved agricultural system efficiency by 35% through IoT integration and automated processes