Innovation Camp – Software Development Student Program

Imagine the future. Code it in motion.
Join the MHP Innovation Camp – Software Development Student Program from **July 13th to August 28th, 2026.**

We are looking for tech-savvy individuals eager to explore the world of technology, programming, and interactive learning

Tech Details:

Take part in exciting projects that allow you to work with cutting-edge technologies. The program features distinct technology focus areas, and you will be assigned to a team based on your interests and affinity for one of the featured technologies

Duration: July 13th to August 28th
Hours: 6 hours/day
Technical student profile: Bachelor's and Master's degrees
Format: A hybrid work environment that fosters collaboration and learning
Rewards: Enjoy a rewarding student program that offers valuable insights and experiences.

1. **Cloud Software Development (AWS)**
   - ➢ Nr. of students: 12
   - ➢ Location: Cluj-Napoca & Timișoara

   Tech Stack:
   - Backend: Java, Spring (Security, Spring Boot, Hibernate, RESTful Web Services), PostgreSQL
   - Frontend: Semantic HTML5, CSS, SCSS, Mobile-first, JavaScript, Typescript, Angular/React, NPM
   - Cloud:
     - o Infrastructure as Code (CDK, Terraform)
     - o AWS CLI, IAM, KMS, S3, Cloudfront, Lambda, Aurora Postgres, Dynamo DB, EKS, ECS, EC2, WAF, CloudWatch
     - o Typescript, NodeJS
   - Workflow: Agile Scrum, Gitlab CI/CD

2. **Infotainment & in-car experience (SDV/DAC)**
   - ➢ Nr. of students: 8
   - ➢ Location: Cluj, Timișoara, București

Tech stack Software Defined Vehicle:
- Ollama + Docker / Native Llama.cpp
- Java
- Android
- C++
- Python
- Chorma DB
- REST APIs
- Data types: user manuals, news paper articles, web search around points of interest on the navigation route, vehicle data (speed, acceleration, position) etc.

Tech stack Data, Automation & Cloud:
- Microsoft Foundry
- Azure App Service
- Serverless Azure Functions
- Azure App Insights
- Azure Langfuse
- Azure Storage Account
- Azure PostgreSQL
- Azure Container Registry

3. **Automarion & Cloud Engineering (Azure)**
   - Nr. of students: 3
   - Location: Cluj

Tech Stack:
- Foundation -> Azure Fundamentals, Networking, IAM
- Automation & Infrastructure as Code -> Terraform, Git, CI/CD (light)
- OS, Scripting & Runtime -> Linux basics, PowerShell
- Containers & Platform -> Docker, Azure Container Apps or AKS (very light)
- Monitoring & Operations -> Azure Monitor, Log Analytics, Application Insights, Alerts, Dashboards
- Security basics -> Azure Policy, Tags & governance, Secure defaults
- Cost awareness -> Budgets, Cost alerts
- AI -> AI-assisted script generation and explanation (PowerShell, Bash, Terraform), AI-assisted Troubleshooting
- Documentation -> Confluence, Architecture diagram (Draw.io)

Application Details:
The application deadline is April 3rd, 2026.
We encourage you to apply sooner rather than later. Once all positions are filled, the selection process will close.