AI_devs 4
BUILDERS

CERTIFICATE
of course completion

NO: 978e3d54-403c-432a-b433-bf6bca08e3b3
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Maciej Lipiński

THE CERTIFICATE CONFIRMS KNOWLEDGE OF THE ISSUES AND PASSING THE TASKS IN THE AREAS OF:

Using Large Language Models in Code

- Working with Large Language Models through APIs
- Steering LLM behavior through prompts and code
- Structuring LLM responses using JSON Schema
- Using Function Calling and native API tools
- Designing high-quality tools for agents (CLI and MCP)
- Processing multimodal content: image, audio, and video
- Managing limitations and security concerns such as prompt injection
- Optimizing cost, performance, and reliability

Context Engineering

- Understanding the difference between Prompt Engineering and Context Engineering
- Deep understanding of the role of context in steering LLMs
- Building interactions that prioritize prompt cache
- Building tool outputs that steer agent behavior in a generalized way
- Balancing static and dynamic information without losing prompt cache
- Practical use of context compression and extraction techniques
- Context Engineering in multi-agent architectures
- Designing high-quality instructions, including meta-prompts
- Using the non-deterministic nature of LLMs as an advantage

Observability and Evals

- Understanding the role of observability and the value of evals
- Designing architecture with observability and evals in mind
- Designing both offline and online evals for prompts and agents
- Designing datasets and sourcing examples from production
- Evals for single- and multi-turn interactions
- Using evals for filtering and moderating unwanted behaviors
- Using evals to increase reliability and performance of the entire system
- Building eval-driven integrations and agentic tools

Building Production Apps

- Designing, maintaining, and scaling generative app architecture
- Understanding new challenges driven by the fast pace of AI progress
- Building multi-agent systems that operate in the background
- Building tools that work beyond the chat interface and integrate with existing logic
- Designing systems that optimize business processes with human-in-the-loop
- Using modern tooling with informed decisions about the tech stack
- Understanding the challenges of AI frameworks and modern tools
- Building AI solutions that match business requirements with AI capabilities
- Addressing challenges and opportunities of generative apps

The 5-week cohort-based course consisted of:

Twenty-five lessons on building production-ready AI solutions, 25+ hands-on projects, 5 live meetings, ongoing support from the instructors, and the opportunity to share experiences and discussions with other participants.

Course Instructors:

Adam Gospodarczyk — Adam Gospodarczyk

Jakub Mrugalski — Jakub Mrugalski

Mateusz Chrobok — Mateusz Chrobok

BRAVE