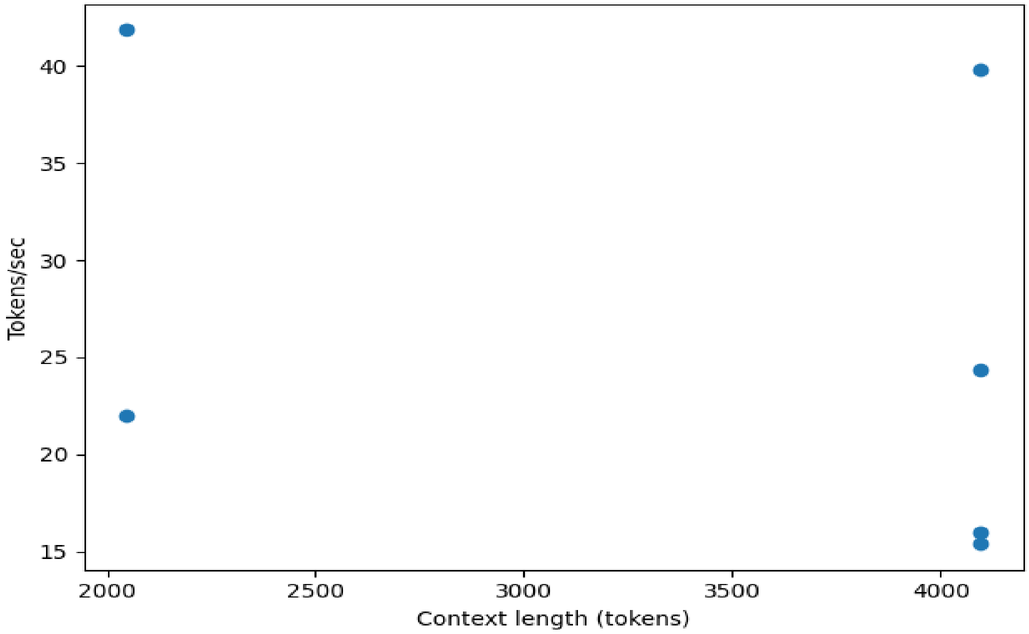
Local LLM Benchmark — Apple Silicon (LM Studio)

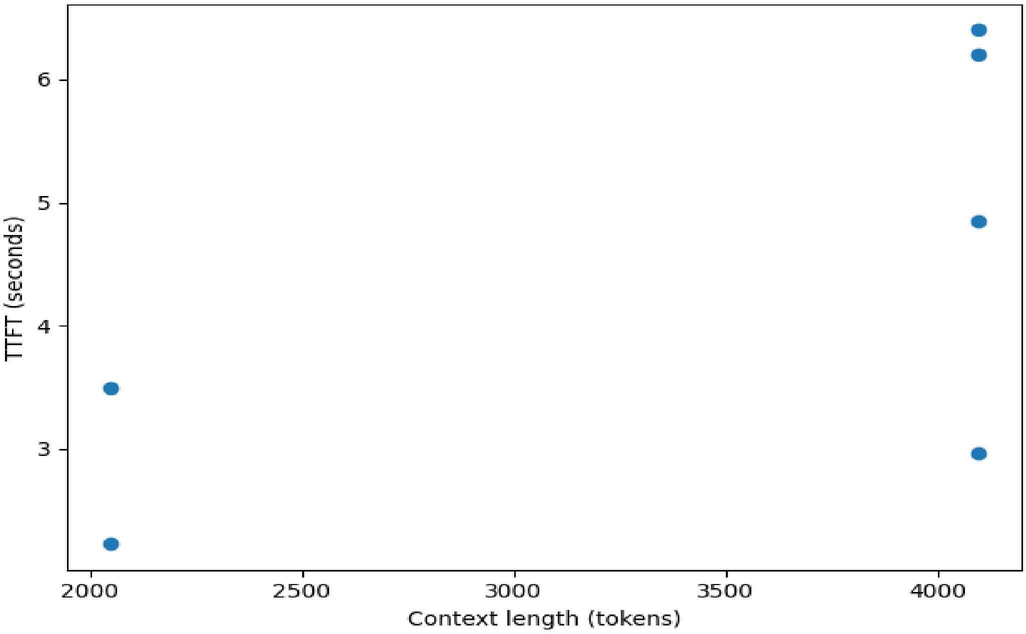
Benchmark Results (Canonical Dataset)

Model	Quant	Context	Tokens/sec	TTFT (s)	Output Tokens
DeepSeek-Coder-V2-Lite	Q8_0	4096	15.4	6.4	596
DeepSeek-Coder-V2-Lite	Q4_K_M	4096	16.0	6.2	597
DeepSeek-Coder-V2-Lite	Q4_K_M	2048	22.0	3.5	596
Qwen3-4B-2507 Kimi-K2 Thinking	Q8	4096	24.37	4.85	2295
Qwen3-Vl-4B	Q4	4096	39.78	2.97	651
Qwen3-VL-4B	Q4	2048	41.84	2.23	651

Tokens/sec vs Context Length



TTFT vs Context Length


TTFT (seconds)
6
5
4
3
2000
2500
3000
3500
4000
Context length (tokens)

Practical Recommendations

Fast interactive coding
Qwen3-VL-4B @ 2048

- Lowest TTFT
- Highest throughput
- Normal-length outputs

Long-context coding & refactors
DeepSeek-Coder-V2-Lite Q8_0 @ 4096

- Slower, but stable
- Predictable coder-style outputs

Code review & explanation
Qwen3-4B Kimi-K2 Thinking @ 4096

- Verbose reasoning
- Suitable for audits and teaching

All benchmarks are hardware-dependent and intended for comparative evaluation only.