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Section 1

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Section 2

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Section 3

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Section 4

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# Here's the timeline.

## Event 1



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## Event 2



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## Event 3



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# 99.99%

“Number rules the universe.”  
— Pythagoras

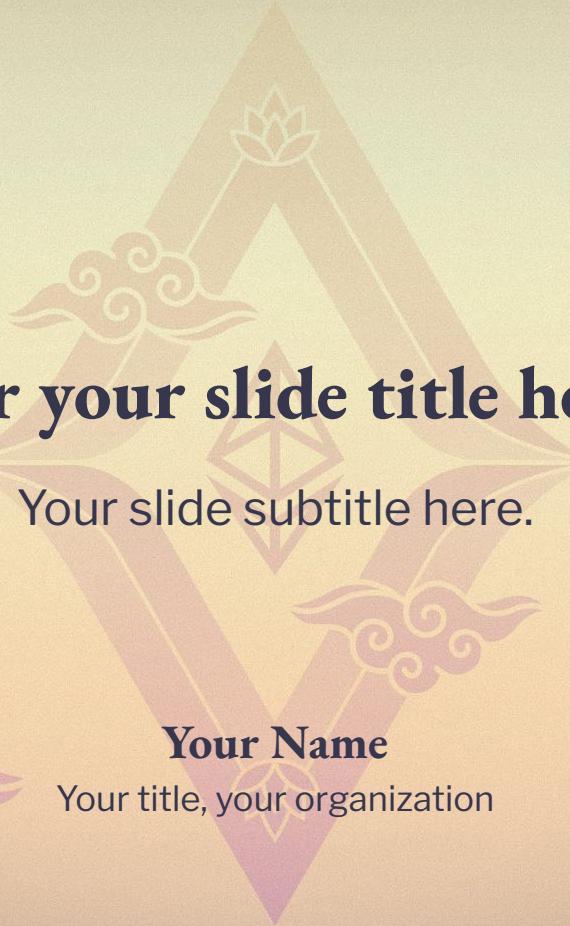
# Thank you!

**Your Name**

Your title, your organization

[email@emailaddress.com](mailto:email@emailaddress.com)

[@youraccount](https://twitter.com/@youraccount)



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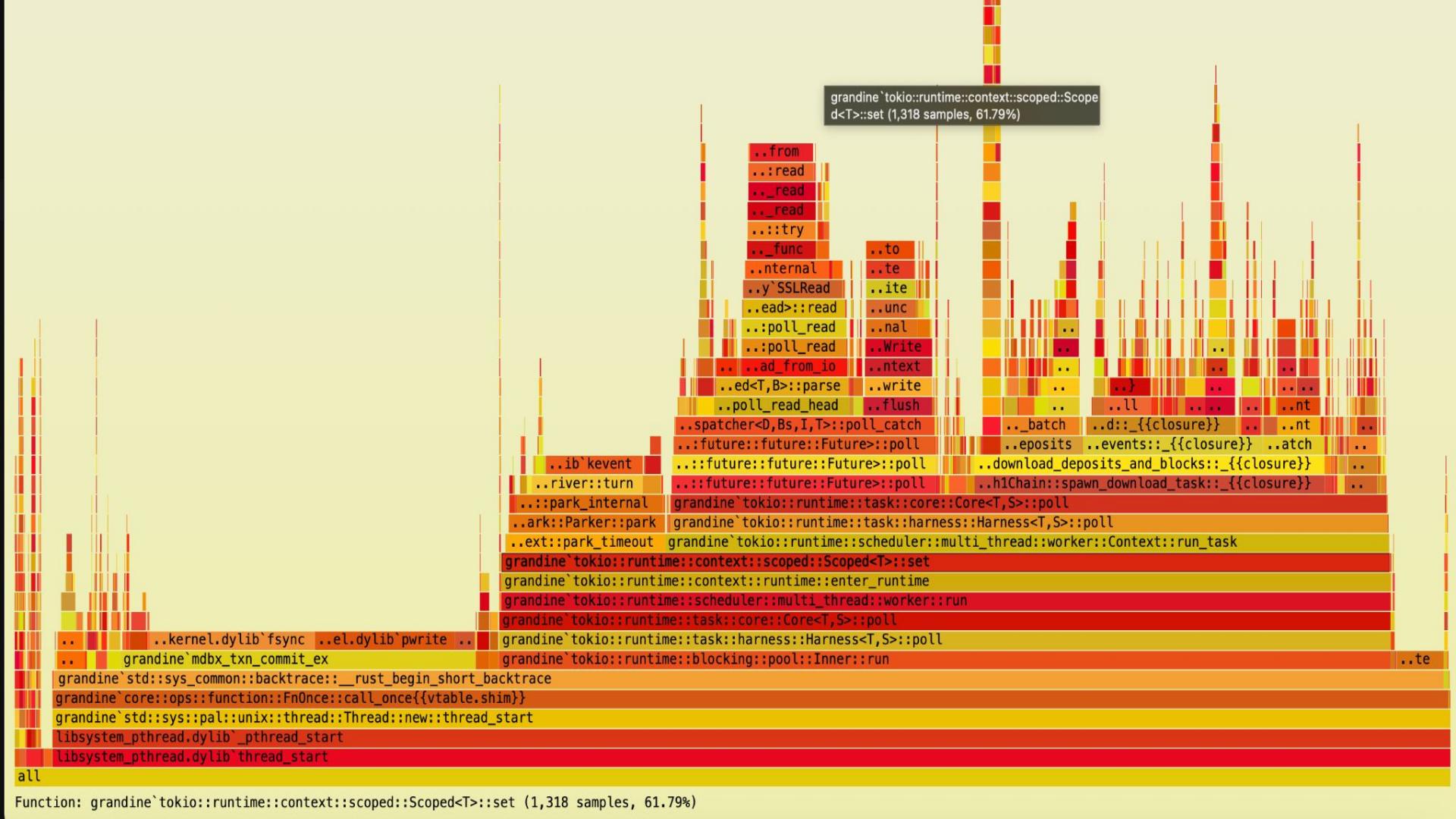
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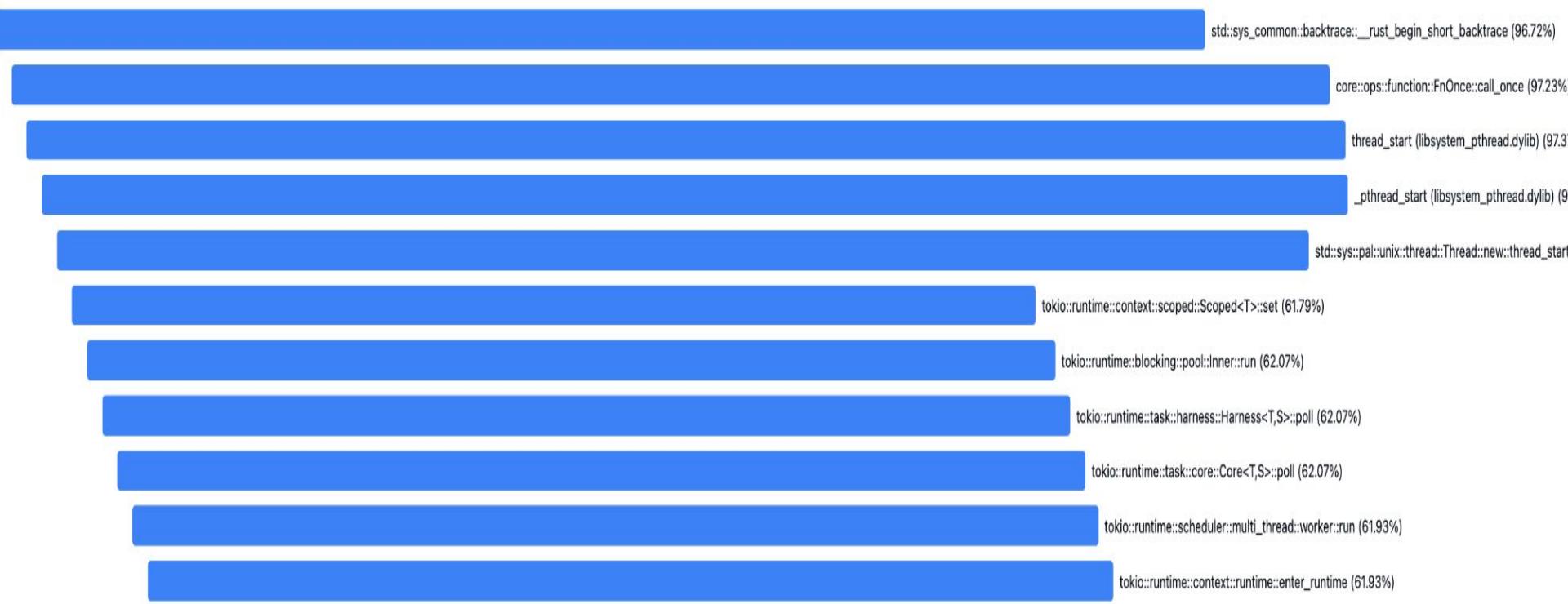




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#### Key Observations:

- High thread utilization (~97%) in system threads and initial setup
- Significant drop to ~62% in Tokio runtime operations
- Consistent performance across Tokio task management
- Multi-threaded worker execution showing similar patterns





# Consensus Client Performance Profiling



<https://gitlab.com/karrenbelt/ethereum-enclaves/>

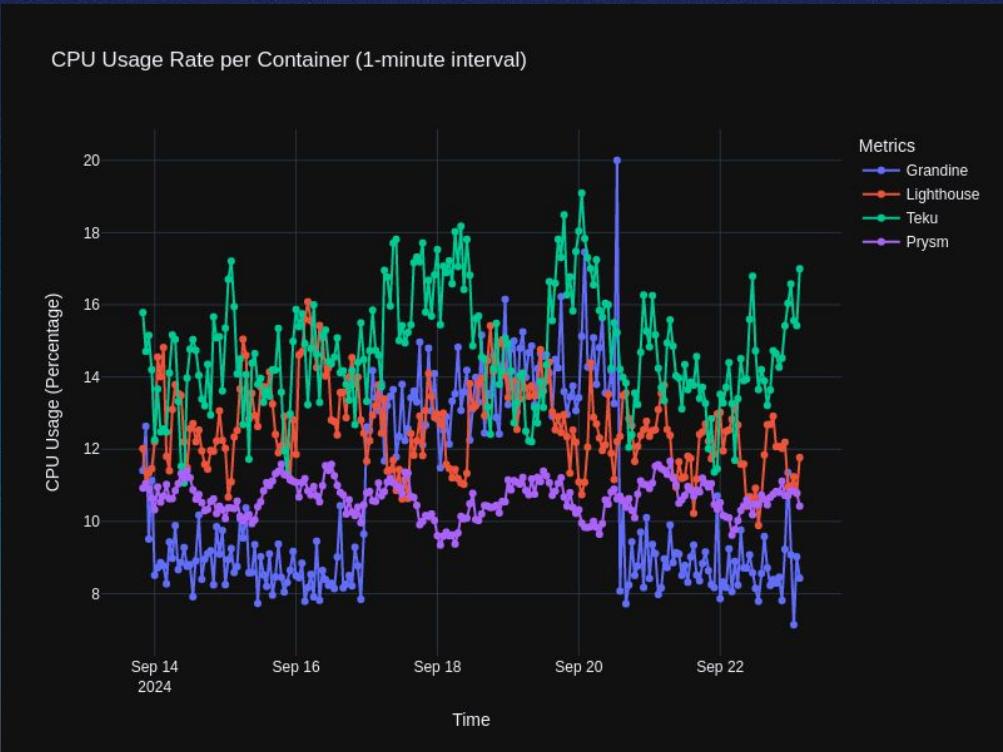
# Premise

# The setup



Consensus Clients		Hardware	Services
Grandine	0.4.1	CPU	8 vCores @ 2.0 GHz
Lighthouse	v5.3.0	RAM	32GB
Teku	24.8.0	Disk	2TB NVME
Prysm	v5.1.0		
Nimbus			
Lodestar			

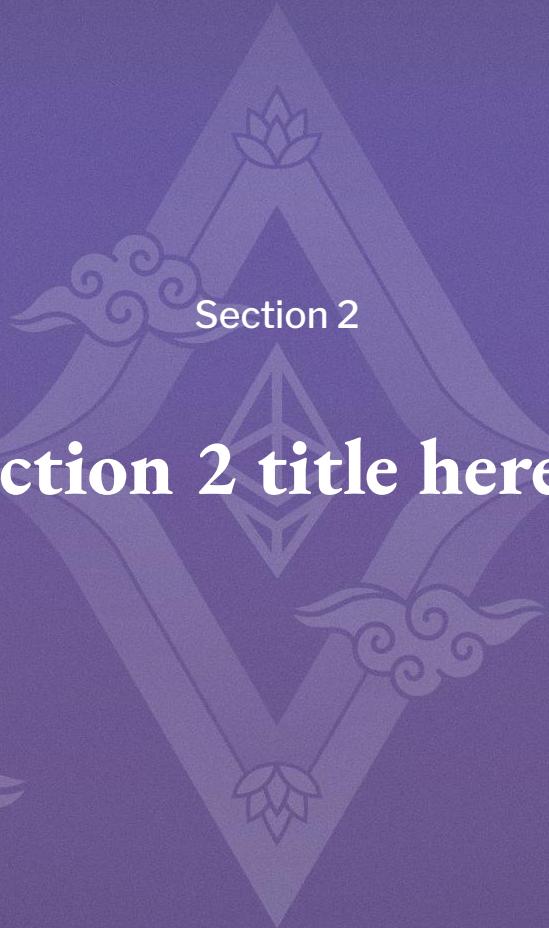
# CPU usage



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Section 3

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## Event 1



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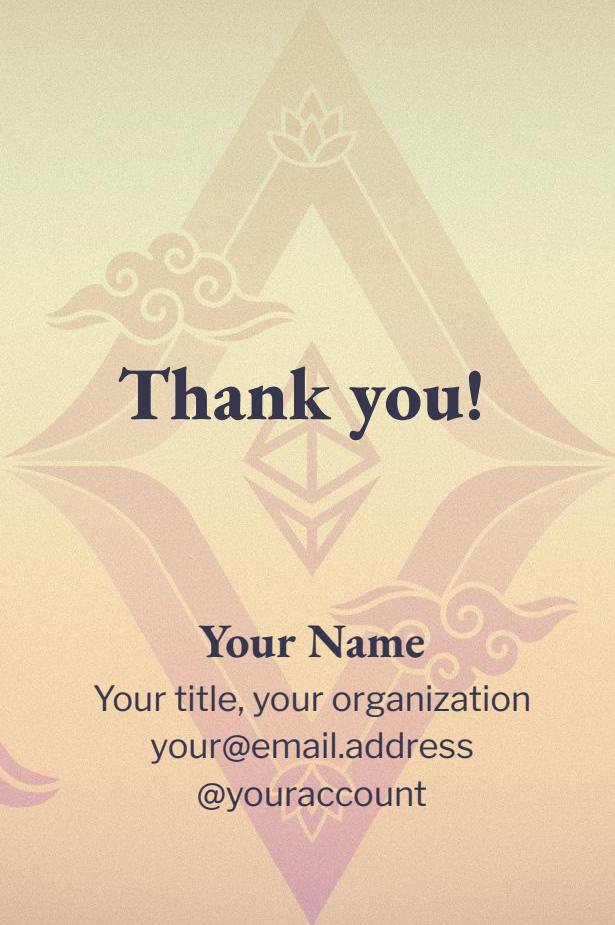


# 99.99%

“Number rules the universe.”

— Pythagoras





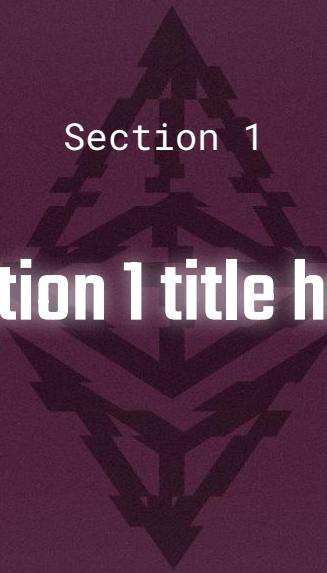


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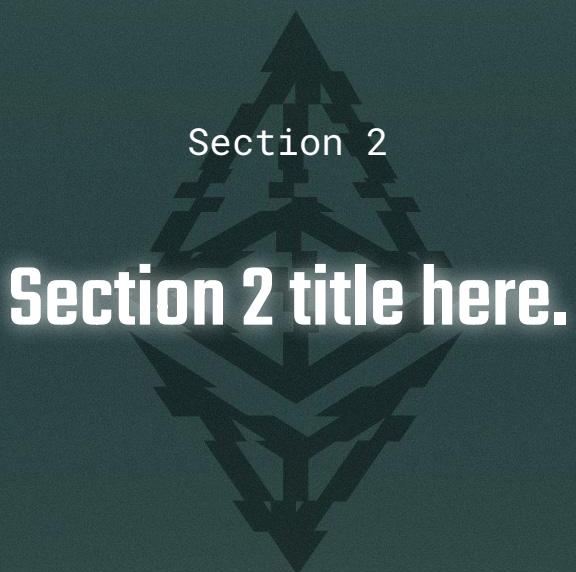
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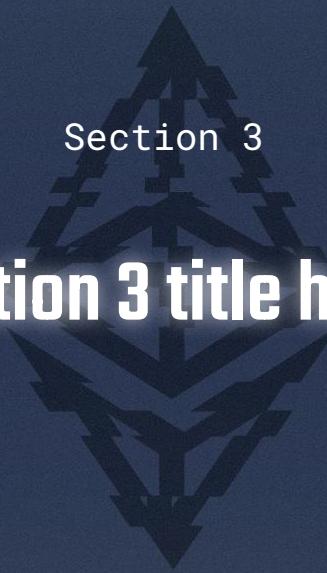
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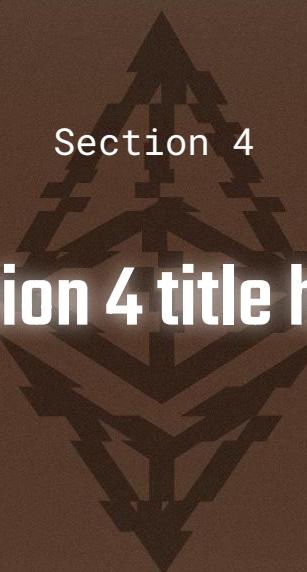
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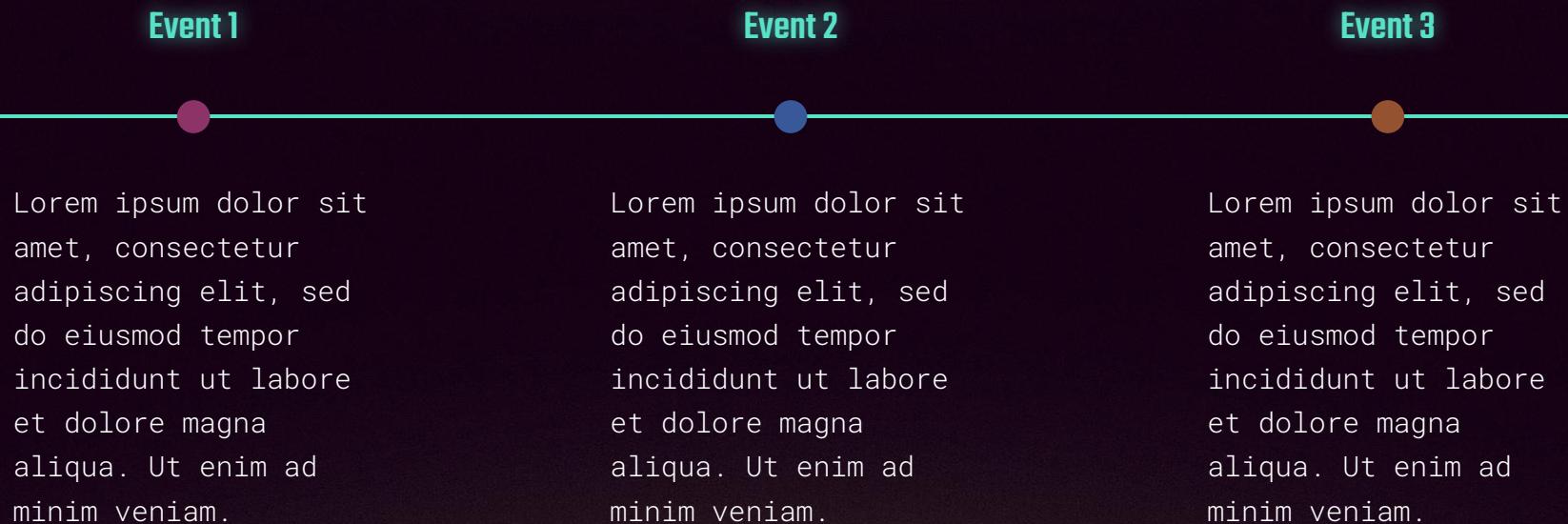
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