

Date	Start Time (24h)	End Time (24h)	Duration (hours)	Week Subtotal	Week Overtime	Notes
<b>Week 123</b>	<b>9/2</b>	<b>9/8</b>				
2023-09-07	0:30	2:30	2			Devops security and audit solution review and discussion; Feasibility and technical review for bot crawling with shared credentials; h1walletbot development task review, Q&A; Bot image generation AI research
2023-09-08	16:00	19:00	3	5.0		Research on crawling with credential solutions, and feasibility of remote browser sessions; Review of bot objectives and functionalities; Review h1walletbot code update; Review and discuss devops security issues and GitHub SSO
<b>Week 124</b>	<b>9/9</b>	<b>9/15</b>				
2023-09-09	18:00	21:00	3			Research on friend.tech design, economics, and data; Research on remote browser session implementation; Review bot devops status; Review development updates
2023-09-10	12:30	13:00	0.5			Debug and test WhatsApp preview issues; Research on WhatsApp bots and business APIs
	17:30	18:00	0.5			Research on Nouns systems, code, and history
	19:30	20:45	1.25			Review bot code changes, new features, existing monitoring, metrics, and instrumentations; Analytics package research; Wallet bot technical Q&A
	22:15	23:30	1.25			Allow arbitrary google tag and CSS for notion page; Debug manage page issues; Fix registrar-relay renew cert server-crashing bug; Manually renew VIP websites for extended durations
2023-09-11	11:00	12:30	1.5			Review analytics, bot metrics, fiat onramp, Stripe keys and access sharing risks
	14:15	15:15	1			(Continued) and review error log and crash issues
	17:30	19:00	1.5			Review bot code and grammY documentation and architecture; Review sentry and hotjar integration options
	20:30	23:45	3.25			(Continued) review and analyze grammY APIs, concurrency, error handling, production scalability and safety, middleware, filter, and network requests implementation; Analysis, feedback, and TODOs
2023-09-12	21:00	0:00	3			Stripe access review; Stripe bot integration test and review; Bot logging implementation review and message data security review; Bot lint review and Sentry / ES integration preparation
2023-09-14	0:00	1:00	1			Bot linting and manual error fixes; Discussion on lint
	15:30	16:00	0.5			Recovery to multisig setup, key rotation and security review, contract and client redeployment; Multisig signers key rotation and security enhancement
	19:15	21:15	2			Fix dangling promise issues in bot AI implementations, missing types, lint errors, incorrect returns; Vertex AI review and permission configuration; Compound fork WIP review
2023-09-15	12:00	15:00	3			Database log and schema review, analyze credit usage issues; Elasticsearch setup review; Sentry setup, configuration, research on session, tracing, profiling, context integration
	23:00	23:45	0.75	24.0		(Continued) and review API details
<b>Week 125</b>	<b>9/16</b>	<b>9/22</b>				
2023-09-16	1:00	2:00	1			(Continued)
	23:15	23:45	0.5			Sentry local testing in multiple modes and setup
2023-09-17	14:15	15:00	0.75			Research on Sentry transaction, span, and profiling details
	19:30	22:45	3.25			Initial Sentry integration, refactoring core bot handler, define types and fix lint errors in core areas; End-to-end testing and sentry tracing
	23:30	1:15	1.75			Sentry capturing and context filling in all modules; Fix all remaining lint errors in all modules, mild refactoring
2023-09-18	12:00	13:00	1			Lint merge conflict resolution; Hotjar setup and end-to-end debugging; ES setup WIP; Analytics review
	14:30	17:30	3			ES and Kibana instance and network setup, initial configurations, and end-to-end debugging
	21:00	23:45	2.75			ES schema refinement and setup; ES response time measurement insertion in all module; Augment modules to insert session state, refund state, time measurement data; Record data in ES
2023-09-19	0:00	1:45	1.75			(Continued) and research on ES-Prometheus-Kibana integration; Discussion
	10:30	12:00	1.5			Sentry session and errors review; Resolve merge conflicts and lint cleanup; ES bug fixes, debugging end-to-end and deployment data to production
	21:45	23:30	1.75			Kibana setup and debugging; Dashboard, roles, users, network, and domain configuration; End-to-end testing
2023-09-20	14:15	15:45	1.5			Discussions in person with the team on bot production issues, performance monitoring, new products
2023-09-21	12:45	14:15	1.5			Performance time measurement bug fixes; ES data type bug fixes; Kibana dashboard reconfiguration and setup new metrics (median response time, p95 response time, modules used, unique users, and word cloud of their query)
	14:30	15:00	0.5			Recovery data update, deploy, wallet connection and script fixes
	23:30	0:00	0.5			Bug fixes and testing on domain redirect; Analytic data and deployment review, and bug identification

2023-09-22	11:30	12:00	0.5	23.5	(Continued) and reviewing time measurement bugs; Preliminary review of h1walletbot and Whatsapp bot
<b>Week 126</b>	<b>9/23</b>	<b>9/29</b>			
2023-09-26	17:00	18:00	1		Research on voice AI state of the art demos and improvements
2023-09-27	9:30	10:30	1		(Continued)
	12:00	15:00	3		Discussions on bot, voice AI products, technical limitations, and use cases
2023-09-28	18:30	21:30	3		Fix time measurement issues, type issues, and compile issues with the bot; Kibana dashboard update, raw log view setup, and version rolling; Testing end-to-end and data analytics
	11:30	12:30	1		Review analytics data; Review context and session constructions in grammY; Move request-based transient data to appropriate places Fix issues with negative time measurement for good
2023-09-29	12:00	17:00	5		Bug fixes on transient bot state for analytics; End-to-end testing; Research and experiments on state of the art speech related models, performance metrics, practical experience, and use cases
	18:30	19:30	1	15.0	Analysis and discussion on Whatsapp business platform and bot feasibility
			Total	67.5	