

Time Tokenizer - Complete User Guide

Platform Overview

Time Tokenizer transforms your professional skills and available time into tradeable blockchain tokens. The platform uses AI agents to analyze your profile and create optimized tokenization strategies, then helps you mint ERC-1155 tokens representing your services on the blockchain.

Prerequisites & Initial Setup

Required Items Before Starting:

1. **Crypto Wallet** (MetaMask, WalletConnect, or other supported wallets)
2. **Test Cryptocurrency** for gas fees:
 - **Avalanche Fuji** (AVAX) - Primary network
 - **Ethereum Sepolia** (ETH) - Secondary option
 - **Base Sepolia** (ETH) - Secondary option
3. **Internet Connection** for AI processing

Getting Test Cryptocurrency:

For Avalanche Fuji (Recommended):

1. Visit [Avalanche Fuji Faucet](#)
2. Connect your wallet
3. Request test AVAX tokens
4. Wait 1-2 minutes for tokens to arrive

For Ethereum Sepolia:

1. Visit [Sepolia Faucet](#)
 2. Enter your wallet address
 3. Complete any verification requirements
 4. Receive test ETH
-

Complete Step-by-Step Platform Usage

Phase 1: Landing & Wallet Connection

1. Open the Application

Navigate to: `http://localhost:3001` (development)

2. Connect Your Wallet

- Click "Start tokenizing your time!" button
- Choose your preferred wallet (MetaMask, WalletConnect, etc.)
- Approve the connection in your wallet
- **Important:** Ensure you're on a supported network (Avalanche Fuji recommended)

3. Network Validation

- If you're on an unsupported network, you'll see a warning
- Click the network switcher to change to Avalanche Fuji
- Approve the network switch in your wallet

Phase 2: Complete the AI Questionnaire

The AI needs to understand your professional profile to generate optimal recommendations.

Step 1: Personal Information

- **Name:** Enter your professional name (e.g., "Sarah Chen")
- **Experience Level:** Choose from:
 - **Beginner** (0-1 years)
 - **Intermediate** (2-4 years)
 - **Advanced** (5-7 years)
 - **Expert** (8+ years)

Step 2: Skills Selection

Choose all applicable skills from these categories:

Technical Skills:

- Frontend Development, Backend Development, Full-Stack Development
- Mobile Development, AI/Machine Learning, Blockchain Development

Design & Creative:

- UI/UX Design, Graphic Design, Video Editing

Business & Marketing:

- Digital Marketing, Content Creation, Business Consulting
- Project Management

Other Specialized:

- Data Analysis, Cybersecurity, Technical Writing

Tip: Select all relevant skills - the AI will assess market demand for each

Step 3: Time Availability

Select your weekly availability:

- **5–10 hours/week** - Side projects
- **10–20 hours/week** - Part-time commitment
- **20–30 hours/week** - Substantial availability
- **30+ hours/week** - Full-time availability

Step 4: Professional Goals

Write 2-3 sentences describing your career objectives:

Good Examples:

"I want to transition from traditional employment to freelance consulting, focusing on AI/ML projects for startups. My goal is to build a reputation in the Web3 space while maintaining work-life balance."

"Looking to monetize my design skills through tokenized services. I want to create premium design packages for crypto projects and build a sustainable income stream."

Step 5: Preferred Project Types

Select industries/project types you're most interested in:

- Startup Projects, Enterprise Solutions, Non-profit Work
- Creative Agencies, Educational Content, Fintech Projects
- Healthcare Tech, Gaming Industry, E-commerce Platforms
- Blockchain/Web3 Projects

Step 6: Hourly Rate Expectations

Choose your target hourly rate range:

- **\$10–25/hour** - Entry level or developing markets
- **\$25–50/hour** - Competitive standard rates
- **\$50–100/hour** - Premium professional services
- **\$100+/hour** - Expert/specialized consulting

Step 7: Review & Submit

- Review all your answers for accuracy
- Make any necessary corrections
- Click "Generate My Portfolio" to proceed

Navigation Tip: Use Enter key to advance, or click navigation buttons

Phase 3: AI Processing & Portfolio Generation

1. Processing Begins

- The Portfolio Maker Agent analyzes your responses
- Visual feedback shows real AI work in progress
- Processing typically takes 30-60 seconds

2. What the AI Analyzes:

- Market demand for your skills
- Optimal pricing strategies
- Project recommendations
- Earnings projections
- Career optimization tips

3. Fallback System

- If AI processing fails, smart fallback generation activates
- You'll still receive a comprehensive portfolio
- AI-generated content is clearly marked when available

Phase 4: Portfolio Review & Analysis

Your AI-generated portfolio includes four main sections:

Overview Tab

- **Profile Summary:** AI-generated professional summary
- **Compatibility Score:** Overall market fit percentage
- **Quick Stats:** Weekly/monthly earning projections
- **Key Metrics:** Experience level, time availability, skills count

Projects Tab

- **Recommended Projects:** 3-4 curated project suggestions
- **Match Scores:** Compatibility percentage for each project
- **Project Details:** Budget estimates, duration, requirements
- **Apply Buttons:** Direct links to similar opportunities

Skills Tab

- **Skill Assessment:** Proficiency ratings for each skill
- **Market Demand:** Current demand percentage for each skill
- **Progress Bars:** Visual representation of skill levels
- **Optimization Suggestions:** Skills to develop further

Earnings Tab



- **Financial Projections:** Weekly, monthly, yearly estimates
- **Optimization Tips:** AI recommendations for increasing earnings
- **Market Analysis:** Current rate comparisons

- **Tokenization CTA:** Button to proceed to token creation

Navigation: Use the tab system to explore all sections thoroughly

Phase 5: Tokenization Strategy (Agentic Mode)

1. Access Agentic Mode

- Click " Start Tokenizing Your Time" from the Earnings tab
- Or navigate via the header menu to " Agentic Mode"

2. AI Strategy Planning

- The Tokenize Agent analyzes your portfolio
- Generates 3-5 optimal token suggestions
- Each suggestion includes pricing strategy and reasoning

3. Token Suggestion Examples:

Premium Consulting Package:

```
Service: "Advanced AI/ML Consulting"  
Price: $150/hour  
Total Hours: 20 hours  
Duration: 90 days  
Reasoning: "Premium pricing for specialized AI expertise with  
limited availability creates exclusivity and higher conversion rates."
```

Design Service Bundle:

```
Service: "Complete Brand Identity Package"  
Price: $75/hour  
Total Hours: 40 hours  
Duration: 60 days  
Reasoning: "Comprehensive package pricing attracts clients seeking  
complete solutions while maximizing revenue per engagement."
```

4. Review AI Recommendations

- Each suggestion shows estimated revenue
- Market competitiveness analysis
- Demand level indicators
- Priority rankings

Phase 6: Token Configuration & Review

1. Select a Token Suggestion

- Click "Create This Token" on your preferred suggestion

- The system will load the parameter review screen

2. Parameter Review Screen

- **Service Name:** Edit if needed (e.g., "AI Strategy Consulting")
- **Price Per Hour:** Adjust based on market feedback
- **Total Hours:** Modify package size
- **Validity Period:** Set token expiration (30-180 days recommended)

3. AI Validation

- Real-time validation ensures parameters are market-competitive
- Warnings appear for potentially problematic settings
- Suggestions provided for optimization

4. Gas Fee Estimation





- Current network gas fees displayed
- Total transaction cost calculated
- Ensure sufficient balance for minting

Phase 7: Blockchain Token Creation

1. Smart Contract Interaction

- Click "Create Token" to proceed
- Your wallet will prompt for transaction approval
- Review gas fees and confirm the transaction

2. Transaction Processing

- Real-time progress tracking
- Multiple confirmation steps:
 -  Transaction submitted
 -  Blockchain confirmation
 -  Token minted successfully
 -  Marketplace listing active

3. Transaction Monitoring

- Transaction hash provided for tracking
- Block explorer links for verification
- Real-time status updates via notifications

4. Success Confirmation

- Token ID assigned and displayed
- Automatic redirect to marketplace
- Token immediately available for purchase

Phase 8: Marketplace & Token Management

1. Marketplace Overview

- Browse all available tokens
- Filter by category, price range, or duration
- Search for specific services
- View token performance metrics

2. Your Token Listings

- Track your created tokens
- Monitor purchase activity
- View earnings and analytics
- Update token status if needed

3. Purchasing Tokens

- Browse tokens from other creators
- Review service details and creator profiles
- Purchase tokens using cryptocurrency
- Receive token ownership certificates

Phase 9: Dashboard & Analytics

1. Portfolio Dashboard

- Overview of all your tokens
- Earnings tracking and analytics
- Performance metrics and insights
- Transaction history

2. Key Metrics Tracked:

- Total tokens created
- Total revenue generated
- Average token price
- Purchase conversion rates
- Most popular services

3. Analytics Features:

- Revenue trends over time
- Popular service categories
- Optimal pricing insights
- Market demand analysis

Platform Configuration & Customization

Wallet Configuration

1. Adding Networks to MetaMask:

Avalanche Fuji Testnet:

Network Name: Avalanche Fuji C-Chain
RPC URL: <https://api.avax-test.network/ext/bc/C/rpc>
Chain ID: 43113
Currency Symbol: AVAX
Block Explorer: <https://testnet.snowtrace.io/>

Ethereum Sepolia:

Network Name: Sepolia Test Network
RPC URL: <https://sepolia.infura.io/v3/YOUR-PROJECT-ID>
Chain ID: 11155111
Currency Symbol: ETH
Block Explorer: <https://sepolia.etherscan.io/>

Base Sepolia:

Network Name: Base Sepolia
RPC URL: <https://sepolia.base.org>
Chain ID: 84532
Currency Symbol: ETH
Block Explorer: <https://sepolia-explorer.base.org/>

2. Wallet Security Best Practices:

- Use a dedicated wallet for testing
- Never share private keys or seed phrases
- Verify all transaction details before confirming
- Keep wallet software updated

Platform Settings & Preferences**1. Data Persistence:**

- All questionnaire answers saved locally
- Portfolio data cached for quick access
- Token drafts preserved between sessions
- Wallet connection state remembered

2. Session Management:

- Automatic session restoration on return visits
- Progress preservation across browser refreshes
- Local storage backup system
- No server-side data storage for privacy

3. Notification Preferences:

- Browser notifications for transaction updates
- Success/failure alerts for token creation
- Marketplace activity notifications
- Optional email updates (if implemented)

Troubleshooting Common Issues

Wallet Connection Issues:

- **Problem:** Wallet won't connect
- **Solution:** Refresh page, clear browser cache, try different wallet

Network Problems:

- **Problem:** Wrong network detected
- **Solution:** Manually switch network in wallet, refresh application

Transaction Failures:

- **Problem:** Transaction fails due to insufficient gas
- **Solution:** Increase gas limit, ensure sufficient balance

AI Processing Errors:

- **Problem:** Portfolio generation fails
- **Solution:** Check internet connection, retry after a moment

Token Creation Issues:

- **Problem:** Smart contract interaction fails
- **Solution:** Verify network, check gas fees, ensure wallet has funds

Pro Tips for Success

Optimizing Your Profile

1. **Skill Selection:** Include 5-8 relevant skills for best AI analysis
2. **Goal Setting:** Write specific, measurable objectives
3. **Rate Setting:** Research market rates for your skills
4. **Availability:** Be realistic about time commitments

Token Strategy

1. **Service Packaging:** Bundle related services for higher value
2. **Pricing Strategy:** Start competitive, increase based on demand
3. **Duration:** 60-90 days optimal for most services
4. **Market Timing:** Monitor demand patterns for your skills

Platform Usage

1. **Regular Updates:** Refresh token offerings based on market feedback
 2. **Profile Evolution:** Update questionnaire as skills develop
 3. **Network Effect:** Engage with other creators for collaboration
 4. **Continuous Learning:** Monitor analytics for optimization insights
-

Support & Resources

Getting Help

- **Technical Issues:** Check browser console for error messages
- **Wallet Problems:** Consult your wallet provider's documentation
- **Smart Contract:** View transactions on block explorers
- **Platform Bugs:** Report via development team channels

Useful Resources

- **Block Explorers:** Verify all transactions independently
- **Faucets:** Get test cryptocurrency for experimentation
- **Documentation:** Review technical docs for advanced features
- **Community:** Connect with other platform users

Best Practices Summary

- ✓ Complete questionnaire thoroughly for better AI analysis
 - ✓ Use testnet for learning before mainnet deployment
 - ✓ Keep wallet secure and transactions verified
 - ✓ Monitor gas fees and network congestion
 - ✓ Start with smaller token packages to test market demand
 - ✓ Review analytics regularly for optimization opportunities
-

Ready to transform your time into digital assets? Start your journey now! 🚀