

# Tori Cathy

Fullstack Engineer

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## Skills

### Web3 & Blockchain

- Solidity
- Web3.js/Ethers.js
- Hardhat/Truffle/Foundry
- L-2 solutions
- Smart Contract security

### Frontend

- React.js
- Redux
- Material UI
- Responsive Design
- Next.js
- TailwindCSS
- Bootstrap

### Backend

- Node.js
- Express.js
- Nest.js
- Laravel
- Django
- API Integration

### Programming Language

- Javascript
- Typescript
- C/C++
- Python
- PHP

## Professional Experience

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### Webisoft, Senior Web3 Frontend Engineer

Jul 2022 – Nov 2023

- Improved customer rating and satisfaction from 30% to 60% by implementing new ideas in smart contracts for NFT minting with solidity.
- Collaborated with the UX/UI design teams to conduct usability testing on new features, resulting in a 40% increase in user engagement and a 25% decrease in bounce rate.
- Created swap, pool, staking, lending, and borrowing contracts using solidity, boosting company income by 130%.
- Implemented 3rd-party integrations, such as payment and authentication systems.
- Strengthened strategic relationships with over 20 potential investors, resulting in a 30% increase in investment interest and fostering innovation through 10 collaborative brainstorming sessions.
- Teamed closely with cross-functional teams to develop and test new software applications, resulting in a 24% improvement in loading time and an increase of +70 seconds in time spent per visit across more than 5 projects.
- Planned, wrote, and debugged 15+ web applications and software projects, ensuring 100% accuracy and seamless functionality.

### Inspired Solutions, Frontend Developer

Feb 2020 – Jun 2022

- Led the development of 10+ user-centric interfaces using React, strategically leveraging Typescript to guarantee type safe code and enhance overall project efficiency.
- Increased development productivity, resulting in a 30% reduction in bugs reported post deployment.
- Designed and implemented reusable React components and hooks, streamlining the development process and fostering a modular codebase that accelerated feature rollout by 20%.
- Enhanced web application performance by implementing code-splitting and lazy loading techniques, resulting in a 50% reduction in load times.
- Optimized state management through Redux and Context API, resulting in a remarkable 30% boost in application efficiency and performance.
- Combined efforts with UX/UI designers to transform wireframes and designs into interactive, responsive web experiences that increased user engagement and satisfaction metrics by 25%.

## Education

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**University of Chicago,**  
*Bachelor of Science (B.S.)*  
Sep 2012 – Aug 2015

## Languages

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- English
- Chinese

### **Data Gen, Blockchain Developer**

Mar 2021 – Aug 2021

- Designed the architecture of the Data Gen ecosystem for the online RPG game market, laying the foundation for scalability and efficiency across 5+ game modules and 3 major platform integrations.
- Developed a project governance token and audited by Certik.
- Initiated ideas for extending project to multi-chain.

### **AT and T, Fullstack Developer**

Oct 2017 – Jan 2020

- Developed 8 web applications with React and Typescript, achieving a 25% improvement in UI responsiveness and a 30% increase in development efficiency through adherence to best coding practices.
- Played a key role in the backend development of 6 projects using Node.js, contributing to a 35% reduction in server response times and gaining proficiency in Express.js for robust API development.
- Achieved a 40% enhancement in application functionality by integrating APIs and managing data interactions across 10+ relational and NoSQL databases, ensuring seamless data flow and user experience.
- Actively participated in the full development lifecycle of 6 projects, from concept to deployment, resulting in a 15% decrease in post-launch issues through busy debugging and a commitment to continuous feature enhancement.

### **Self-employed, Freelance Web Developer**

Feb 2015 – Sep 2017

- Delivered 10+ projects of all sizes, creating solutions for consumer services.
- Teamed with 2 designer teams to take client wireframes from conception to implementation.
- Conducted research and assisted with new business scoping efforts, resulting in the acquisition of 4 clients.