THUNDER
BISCUIT

Freelance Bitcoin +
Android Developer

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PROJECTS

- Padawan Wallet
- Bitcoindevkit-by-Example
- Blog
- Kotlin-Study

TECHNOLOGIES

- Bitcoin
- Android
- Bitcoindevkit
- Kotlin
- React
- Python

PROFILE

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SKILLS

Android
Lead developer of Padawan Wallet, a testnet-only wallet aimed at teaching the basic workfow and jargon of mobile bitcoin wallets. Padawan is a native Android app written in Kotlin, and is one of the first bitcoin wallet to leverage the bitcoindevkit, a native library written in Rust. I am the main designer and developer of Padawan.

Bitcoin
Student of the bitcoin protocol. I write about bitcoin technicals on my blog (thunderbiscuit.com), and have been a contributor to the bitcoindevkit ecosystem (more specifically on bdk-jni and bdk-cli). I have extensive experience with bitcoin nodes and the testnet and regtest networks (Padawan being a testnet-only wallet). Experience with miniscript and output descriptors.

Technical Writing
I write about bitcoin and software on my blog, and have worked on many documentation projects (Wasabi, Zap Wallet, Bitcoindevkit, and others). I am the maintainer of the bitcoindevkit-by-example website/book.

Frontend Development
Experience with the React and GraphQL stack of technologies. I use Gatsby for developing websites, and my blog is an example of my approach to design with simplicity. I have also worked with Python to develop server-side code (Flask) for data visualisation and data science.

EXPERIENCE

Padawan Bitcoin Wallet
Creator and lead developer of Padawan Wallet. Build the app and integrate with the bitcoindevkit, a native Rust library leveraged in Padawan through the Java Native Interface. Developed the sketches and Figma files. Set up the CI for the app using GitHub Actions. Prepare the app for deployment on the Play Store and currently working on getting the app deployed on the F-droid open source app repository.

Open Source Software Contributions
I have contributed to many software projects in the bitcoin ecosystem, including Wasabi, Zap Wallet, myNode (frontend) and Bitcoindevkit, Umbrel (backend).

Full-Stack Web Development
Develop backend servers in Python/Flask to support data visualisation tools on sizeable data science projects. Extensive experience with Bulma and Boostrap 4. Build Gatsby websites to support the deployment of research my team performs. Familiar with Nginx. Taught a course on Python for data science.