

# THUNDER BISCUIT

Freelance Bitcoin +  
Android Developer

## INFO



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## PROJECTS

- [Padawan Wallet](#)
- [Bitcoindevkit-by-Example](#)
- [Blog](#)
- [Kotlin-Study](#)

## TECHNOLOGIES



**Bitcoin**



**Android**



**Bitcoindevkit**



**Kotlin**



**React**



**Python**

## PROFILE

Canadian Bitcoin and Android developer. I believe the free choice of non-sovereign, sound money can empower people everywhere. I contribute to the bitcoin project mostly through my skill with mobile applications on the Android platform. I do software development freelance work in the Bitcoin and Android ecosystems, and offer consulting on all things Bitcoin.

## SKILLS

### Android

Lead developer of Padawan Wallet, a testnet-only wallet aimed at teaching the basic workflow 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`). Extensive experience with bitcoin nodes and the testnet and regtest networks (Padawan being a testnet-only wallet). My focus is on the base layer, and I have experience with miniscript, PSBTs, 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 projects.

## EXPERIENCE

### Padawan Bitcoin Wallet

- Creator and lead developer of Padawan Wallet
- Built the app and leveraged the bitcoindevkit, a native Rust library
- Developed the sketches and Figma files
- Set up the CI for the app using GitHub Actions
- Prepared the app for deployment on the Play Store
- Currently working on deploying the app on the F-droid open source app repository

### Open Source Software Contributions

- Docs** » Bitcoindevkit, Wasabi, Zap Wallet
- Backend** » Umbrel deployment on Pine64 devices
- Community** » Co-host of the bitcoindevkit weekly hacking sessions
- Frontend** » myNode updated UI proposal

### Full-Stack Web Development

- Develop backend services in Python/Flask to support data visualisation tools on sizeable data science projects
- Extensive experience with Bulma and Bootstrap 4 CSS Frameworks
- Build Gatsby websites to support the deployment of research
- Taught a course on Python for data science
- Experience with Nginx.