

THUNDER BISCUIT

Freelance Bitcoin +
Android Developer

INFO



Github
[@thunderbiscuit](#)



Twitter
[@thunderb__](#)



Email
thunderbiscuit@protonmail.com



Blog
[thunderbiscuit.com](#)

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.