

George Timms

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TECHNICAL SKILLS

Languages Java, Python, C#.

Tools Linux (Debian, Arch, Ubuntu), BSD (FreeBSD, OpenBSD), Android (incl. third party ROMs).

Software nginx, prosody, git, maven, gradle, docker, bhyve, dhcpd, unbound, dovecot, postfix, ngircd, cgit, gitea, wireguard, incus/lxd, youtrack, teamcity, mailcow, nftables, sudo, doas.

Interests system administration, network administration, security.

Certificates LPI Linux Essentials

Proof of certification and job references available on request.

EXPERIENCE

Elected Member, XMPP Standards Foundation (XSF)

Mar 2026 – Present

- Voting, to elect other members, and the board and council.
- Outreach and promotion of the foundation aims.
- Talk at oggcamp 2026 to introduce, and walk through getting started with the XMPP protocol.^[1]
- For a full list of contributions see my XMPP profile.^[2]

Security System Administrator, Project Beacon

Oct 2025 – Present

- Ongoing maintenance of backend stack, I track the debian RSS feed to be notified of vulnerabilities
- Responsible for vulnerability tracking and mitigation.
- Development and maintenance of continuous integration/deployment pipeline using teamcity, including automated supply chain vulnerability scanning.
- Design of nftables firewall rulesets to protect internal services (including Docker compatibility).
- Managing of user credentials, all users must have their own user and sudo/doas is used with mandatory password to escalate privileges if permitted.
- General maintenance of other backend services as part of System Administration team (including nginx, youtrack, teamcity, docker and mailcow)

IT Services, self employed

Jan 2025 – Present

- Pfsense firewalling for a small business, including setup of pfsense with their ISP, dividing their network into VLANs, firewalling to control the flow of traffic between VLANs.
- Home network support, including setup of wifi, diagnosing network outages, diagnosing routing issues.
- Diagnosing, running and terminating ethernet.
- PC/Laptop building, repairs and maintenance.
- Setup of Wireguard VPN tunnels for businesses to securely access their network remotely.
- Security and privacy consulting, helping setup password managers, full disk encryption and industry standard security policies.
- Repair Android and iOS phones. Repairs include replacing screens, charging ports, batteries, cameras and microphones.

Student Learning Assistant, Middlesex University

Sep 2024 – Dec 2024

- Aided in outreach and events, such as helping run sessions for college students to learn how to make basic embedded circuits, such as making an LED blink with an arduino.
- Helped support lecturers by answering queries from students.

^[1]<https://pt.gogreenit.net/w/7YzvYkDJVM1e5FcmnCpqqj>

^[2]<https://wiki.xmpp.org/web/User:Polarian>

PROJECTS

Home routing

- OpenBSD router handling all my personal and server traffic. Technology used: dhcp (dhcpcd), dns (unbound), SLAAC (slaacd), firewall (pf), vlans, wireguard.
- Presented at FOSDEM 2026.^[3]

Self hosting

- Server built from components salvaged from old desktops, and running Arch Linux, it runs the following services within LXC containers for isolation:
- Email: Dovecot + Postfix, provides my primary email (same as on this CV). SPF, DKIM, DMARC and rDNS setup to avoid spam filters.
- Git: Dumb HTTP frontend using nginx to clone repos + ssh access for pushing commits (openssh).
- XMPP Servers: openfire and prosody are used for the xmpp servers and nginx is used to reverse proxy the http endpoints used for http file upload, and the openfire web interface.
- IRC Bouncer – ZNC used for the bouncer and nginx used to reverse proxy the web interface.

Bridge.Net – Discord/IRC Bridge

- Discord and IRC are independant platforms without native interoperability. This bridge is implemented in C# to allow users to communicate between both platforms. Each channel on Discord is bridged to a channel on IRC allowing users to speak normally on one platform and it show up seamlessly on the other. platforms by utilising the Discord API, and as IRC doesn't have any concept of a "bot", the bot is simply a user. This can be easily deployed onto a vps and allows users of both Discord and IRC to speak across platforms.
- The software can be easily deployed to a vps, or run on a small device such as a RPI. As it is written in C# it can run on any platform which supports dotnet. Within the repo there is a example config (config/config.toml) which is heavily commented to make configuration simple, toml was choosen for the config format as its easy to read and understand.
- Source code: git clone <https://git.polarian.dev/bridge.net.git/>

jstats – IRC Statistics Bot

- IRC Bot written in Java to track the number of messages a nick sends within a channel; developed out of curiosity on my part about the activity of certain channels and as a proof of concept for IRCJ.
- Source code: git clone <https://git.polarian.dev/jstats.git>

IRCJ – IRC Library

- Basic IRC library written in Java. Written for use with the jstats IRC bot.
- Source code: git clone <https://git.polarian.dev/ircj.git>

Repairing and Flashing Mobile Phones

- iPhone and Android phone repairs, third party android ROM installation (including: LineageOS, GrapheneOS, DivestOS (EOL) and CalyxOS (EOL for the time being))

EDUCATION

Kingsmead Academy School

A Levels in Computer Science, Mathematics, and Chemistry

2021 – 2023

Chace Community School

Secondary curriculum

2016 – 2021

^[3]<https://fosdem.org/2026/schedule/event/YTYUAH-opensbd-router/>