Stefan Yohansson

Software Engineer

I am an open source passionate that love to learn, share and contribute particularly on any initiative that make the world equal to everyone. I help here and there in opensource pojects like Firefox (I am a mozillian :3), some KDE suite softwares and FreeSWITCH platform.

Skills

- Polyglot engineer, strong expertise for general backend, frontend and embedded development
- Proficient in C, C++, Rust, Python, Elixir, JavaScript, familiar with Java, Lisp/Scheme/Clojure, Go.

Work Experience

- 2022.2–Present: Senior Developer at Sangoma
    - skills: C, FreeSWITCH (Telephony platform), Elixir, Distributed Systems, RabbitMQ, Python
    - 7×24 Check telephony service availability and recovery any possible failure;
    - Improve and maintain the ACD (Automatic Call Distributor), the piece of software responsible to match an agent and a customer in a CCaaS platform;
    - Help and solve questions regarding entire platform;

- 2021.2–2022.8: C;C++ Senior Developer/Consultant at Telnyx
    - skills: C, C++, FreeSWITCH (Telephony Platform), Distributed Systems, RabbitMQ, WebRTC
    - 7×24 Check FreeSWITCH service availability and recovery any possible failure;
    - Improve and implement new functionalities in FreeSWITCH modules (written in C);
    - Be the bridge between FreeSWITCH team and WebRTC team (javascript developers), help with questions about webRTC and fix problems with $\text{mod}_{\text{verto}}$ (WebRTC FreeSWITCH module);

- 2019.1–2020.11: Consultant at MobileMinds
    - skills: Javascript, React, Node
    - Architect and built a node backend for Ology (pharmaceutical integration platform);

- 2015.2–2018.12: Senior Developer at Evolux
    - skills: Python, Javascript, Angular 1.6, C, FreeSWITCH (Telephony Platform)
    - 7×24 Check telephony service availability and recovery any possible failure;
    - Lead developer and manager for Outsource initiative between Evolux and SilentCircle to built a SPA chat and a react dashboard control panel, managing 4 developers and providing reports of the progress for the stakeholders;
    - Start working with ACD (Automatic Call Distributor), the piece of software responsible to match an agent and a customer in a CCaaS platform;
    - Improve some panels backend and frontend logic that cost minutes to load in order to load in milliseconds;

- 2014.8–2014.12: Senior Developer at Stepmoney Brasil S.A
  - skills: PHP
  - Develop from day 0 a rechargeable card platform;
  - Later focusing on the financial reports and credit security modules;

- 2013.2–2014.8: Plain Developer at Tecnotech Sistemas
  - skills: PHP
  - Working in a governmental system used by all Brazilian engineers and architects I was allocated as the financial module leader. The financial module was suffering from high loads due to long polling tasks and expensive query routines, so I start refactoring some code and used materialized views in order to mitigate the problem our customers are facing while trying to pay the annuity bill.

- 2013.8–2013.11: Trainee at MaisData Comunicação Direta
  - skills: PHP
  - First contact with Wordpress and maintaining shared host websites. I was on top of 30+ websites managed by this digital agency.

- 2010.4–2013.6: Developer at Digicontrol - ISP
  - skills: C, Asterisk (Telephony Platform), PHP
  - 7×24 Responsible for the operation of complex radio access network (+500 remote radio head)
  - develop and setup the asterisk with ivr system for isp's, adapt codec to work in high latency network and inspect packages loss with capture analysis tools (Homer capture);

Open Source Experience

- KDE games
  - skills: C++, Qt Framework
  - Fix bugs in some KDE default games and be the maintainer of AMOR project;

- KTelephone
  - skills: C++, Qt Framework
  - Initial developer of the VoIP softphone application written in C++ with Qt. Inspired by "Telephone" the OSX application;

- Firefox
  - skills: C++, React
  - Fix bugs in firefox dev tools and the bridge between dev tools and core;

- FreeSWITCH
  - skills: C, Javascript
  - Fix bugs in modules like $mod_{callcenter}$, mod_{verto}, $mod_{voicemail}$ and help in some proprietary modules;
  - Create a test application to act as bedrock for integrations with mod_{verto};

Education

- 2012–2016: Incomplete Bachelor degree in Mathematics at University Federal do Rio Grande do Norte
- 2022–2023: Real-Time Embedded Systems Concepts and Practices at University of Colorado Boulder (Coursera)
- 2022–2023: Real-Time Mission-Critical Systems Design at University of Colorado Boulder (Coursera)

Contact Me

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