Enock Gomes Neto

04/06/1993 – 30 years old
Natal/RN – Brazil
Phone: +55 84 98849-0880
E-mail: enocknt@gmail.com
LinkedIn: https://www.linkedin.com/in/enocknt

OBJECTIVE

Act as a Software Engineer.

PROFESSIONAL RESUME

Software Engineer with extensive experience in embedded systems, full-stack web development, desktop applications, AI, multimedia frameworks/formats, among others.

- Proficient in using and managing Unix-like systems (Ubuntu, Arch Linux, Debian).
- Comfortable with common CLI tools, shell/scripts/commands syntax, SSH, rsync/scp, and more.
- Experienced with best practices (proficient in version control with Git and SVN, configuring and using static and dynamic code analysis tools, continuous integration, automated testing, etc).
- Experienced with the use of agile methodologies (Scrum).
- Front-end: HTML5, CSS3, JavaScript/TypeScript (jQuery, React, Vanilla).
- Back-end: Node (Express), Python (FastAPI, Flask, Django), Spring, C/C++, PHP, C#, Delphi/Object Pascal.
- Relational (SQlite, MariaDB, MySQL, PostgreSQL) and non-relational (MongoDB) databases.
- Container, virtualization and orchestration technologies (Docker, Kubernetes).
- Programming of embedded systems and IoT (ESP8266, ESP32, Raspberry).
- Data Science (Pandas, NumPy, Matplotlib), Deep Learning and Artificial Intelligence (Keras, PyTorch).
- Multimedia frameworks/tools (GStreamer, FFmpeg, GPAC/MP4Box, Bento4, Shaka).
- Mobile development with the Android platform (Java, NDK, Android Studio, Gradle).
- Experience with using, fixing bugs and implementing new features in several open source projects (Android, WebKit, GStreamer, DirectFB).

ACADEMIC EDUCATION

- Postgraduate Degree in **Program Analysis and Development** - Descomplica Digital College – 2023.
- Postgraduate Degree in **Multiplatform Mobile Application Projects** - Descomplica Digital College – 2023.
- Interdisciplinary Bachelor's Degree in **Science and Technology** - Federal University of Rio Grande do Norte – 2021.
- Associate Degree in **Technology in Systems Analysis and Development** - Estácio de Sá University – 2021.
- Programmers Training Course in **Web Programming** - Federal University of Rio Grande do Norte – 2011.
- Integrated Middle Level Technical Course in **Computing** - Federal Institute of Education, Science and Technology of Rio Grande do Norte – 2011.

PROFESSIONAL EXPERIENCE

MoPA Embedded Systems - August/2021 – Currently
Software Development
Position: Master Software Engineer

- Development of the payment system (Pix Saque and Boletos) for SmartPOS devices (Intelligent Point of Sale).
- Development of the Brazilian Digital TV Forum (SBTVD) Test Suite to validate Ginga DTV Play.
- Development of Ginga DTV Play – New version of the Ginga middleware, which encompasses the Ginga-NCL, Ginga-CCWS and Ginga-HTML5 subsystems.
- Development of Ginga-CCWS (ABNT NBR 15606-11) – Ginga middleware subsystem responsible for executing second screen applications and managing information on broadcast channels.
- Development of Ginga-HTML5 (ABNT NBR 15606-10) – Ginga middleware subsystem responsible for executing HTML5 applications.
- Development of Ginga-NCL (ABNT NBR 15606-2) – Open specification middleware adopted by the Japanese-Brazilian Digital Terrestrial TV System (ISDB-T) for set-top boxes, televisions and portable devices, in order to offer interactivity to Digital TV users.

MoPA Embedded Systems - January/2019 – July/2021
Software Development
Position: Senior Software Engineer

- Development of the Brazilian Digital TV Forum (SBTVD) Test Suite to validate Ginga DTV Play.
- Development of Ginga DTV Play – New version of the Ginga middleware, which encompasses the Ginga-NCL, Ginga-CCWS and Ginga-HTML5 subsystems.
- Development of Ginga-CCWS (ABNT NBR 15606-11) – Ginga middleware subsystem responsible for executing second screen applications and managing information on broadcast channels.
- Development of Ginga-HTML5 (ABNT NBR 15606-10) – Ginga middleware subsystem responsible for executing HTML5 applications.
- Development of Ginga-NCL (ABNT NBR 15606-2) – Open specification middleware adopted by the Japanese-Brazilian Digital Terrestrial TV System (ISDB-T) for set-top boxes, televisions and portable devices, in order to offer interactivity to Digital TV users.

MoPA Embedded Systems - June/2016 – December/2018
Software Development
Position: Full Software Engineer

- Development of Ginga-NCL (ABNT NBR 15606-2) – Open specification middleware adopted by the Japanese-Brazilian Digital Terrestrial TV System (ISDB-T) for set-top boxes, televisions and portable devices, in order to offer interactivity to Digital TV users.
- Development of Zapper – Linux-based operating system to control and manage set-top box devices.

MoPA Embedded Systems - January/2014 – May/2016
Software Development
Position: Junior Software Engineer

- Development of Ginga-NCL (ABNT NBR 15606-2) – Open specification middleware adopted by the Japanese-Brazilian Digital Terrestrial TV System (ISDB-T) for set-top boxes, televisions and portable devices, in order to offer interactivity to Digital TV users.
- Development of Zapper – Linux-based operating system to control and manage set-top box devices.
- Development of TSRecorder – Tool for recording broadcast channel streams.

MoPA Embedded Systems - May/2013 – December/2013
Software Development
Position: Software Developer (Internship)

- Development of ICD Platform Extension Software (ICDi) – Interactive Digital TV Program Management Platform for Ginga Middleware.
- Maintenance of the Digital Content Exchange Platform (ICD) – Platform developed by the National Education and Research Network (RNP) that allows the organization and exchange of local content on a network, increasing the supply and quality of content on TV channels and public and university radio stations.

Suisse Color - June/2012 – May/2013
Articles and Equipment for Photography
Position: Web Systems Developer (Internship)

- Development of the Área Profissional Suisse Color – Online photo management system for professional photographers who partner with the company.
- Development of Impressão On-line Suisse Color – The company's online photo development system.

RMB Informática - July/2011 – June/2012
Computer Repair and Maintenance
Position: Web Systems Developer (Internship)

- Development of customized solutions for partner companies.
- Development of the company's Enterprise Resource Planning (ERP).

COURSES AND QUALIFICATIONS

- **Scrum Fundamentals Certified** - SCRUMstudy – 2021.
- **Information and communication technology** - Center for Technologies in Informatics Aluízio Alves (SENAI-RN) – 2018.
- **Intellectual property** - Center for Technologies in Informatics Aluízio Alves (SENAI-RN) – 2018.
- **Programming logic** - Aluísio Bezerra Technology Center (SENAI-RN) – 2018.
- **Unraveling Industry 4.0** - Center for Technologies in Informatics Aluízio Alves (SENAI-RN) – 2018.
- **Creativity and innovation** - Center for Gas Technologies and Renewable Energy (SENAI-RN) – 2018.
- **Access Networks**- Federal Institute of Education, Science and Technology of Rio Grande do Norte – 2013.
- **Transversal Skills in Entrepreneurship** - Center for Technologies in Informatics Aluízio Alves (SENAI-RN) – 2011.
- **Environmental education** - Center for Technologies in Informatics Aluízio Alves (SENAI-RN) – 2011.

- **Professional Initiation in Labor Legislation** - Center for Technologies in Informatics Aluízio Alves (SENAI-RN) – 2011.
- **Computer programmer** - Center for Technologies in Informatics Aluízio Alves (SENAI-RN) – 2011.
- **Intellectual property** - Center for Technologies in Informatics Aluízio Alves (SENAI-RN) – 2011.
- **Computer network** - Federal Institute of Education, Science and Technology of Rio Grande do Norte – 2008.
- **Basic Computing** - Protec Computing Courses – 2007.

ADDITIONAL INFORMATION

- Intermediate English.
- President of the Receiving Board of Votes in Municipal Elections - Electoral Justice - 2022.
- President of the Receiving Board of Votes in Municipal Elections - Electoral Justice - 2020.
- President of the Receiving Board of Votes in Municipal Elections - Electoral Justice - 2018.