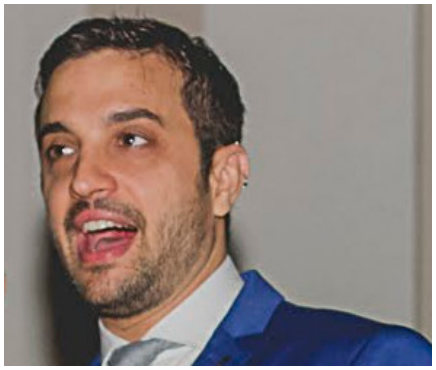

FELIPE NAVARRO

Project Manager/ Software Architect

SKILLS

Project Management

Team Player

Problem-solving

Automation/ Mecha-tronics

Open Source Tools

Portuguese Native

English

Spanish

CONTACT

30, Francisco Orellana Jardim São Caetano - São Caetano do Sul-SP

+55 41 4042 3968

fesnavarro@protonmail.com

felipe-navarro-7a45515a

fesnavarro

PROFILE

Estou com 38 anos e o meu primeiro contrato como programador foi em 2005, sou paulista, sem filhos e muita experiência com projetos industriais voltados a automação e ERP de forma geral.

Me desenvolvi em múltiplos segmentos para eliminar limitações. Adquiri experiência com projetos complexos relacionados a clientes internacionais e budgets de grande escala.

Gerenciei equipes, criei padrões e me destaquei em diversos desenvolvimentos. Trabalhando sempre muito perto dos usuários finais aprendi a entender necessidades e prever grande parte das ações humanas sobre as aplicações.

Sempre trabalho estruturado e atento as necessidades do cliente. Tenho foco em qualidade, manutenção e escalabilidade. Me sinto confortável tanto em grandes corporações quando em times reduzidos.

Hoje estou procurando projetos que eu possa atuar remotamente utilizando Git e comunicando real-time através de ferramentas do tipo Elemment ou Slack, de preferência desenvolvendo interfaces front-end com javascript (es6) com ou sem framework mas pronto e disposto a definir e estruturar as aplicações em seu backend.

Presentation

WORK EXPERIENCE

Project Manager/ Software Architecture Fev 16 - Jan 20

Research and Development/ Industrial Automation

[EIA-ECOD3] - Responsável por definir e gerenciar equipes de software para implementação de customização de ERP e automação industrial utilizando ferramentas opensource

- Representação e gerenciamento de equipe para implantação do sistema ERP Odoo no Brasil.
- Implantação e integração de diversos sistemas/ aplicações utilizando estruturas AWS, Linode, Google Cloud e internas. Para clientes como EPLAN, General Motors, Ross Controls.
- Gerenciamento e desenvolvimento de diversas reformulações e atualizações em linhas como parceiro da Rockwell Automation e Edge group

Technologies include:

- GIT (on GitLab) para todos os projetos, Ansible + Docker
- Frameworks para python como Django, Flask, Odoo OEE.
- Frameworks para Javascript com React, Preact.

ACADEMIC QUALIFICATIONS

2020 -

Computer Science
University of the People "Pasadena"
The world's first non-profit, tuition-free, accredited, online, American university.

1999 - 2001

Technology in industrial mechatronics
Senai "Armando Arruda Pereira"

Financially supported by Jica (Japan International Cooperation Agency), the course had all the necessary technology to teach about elements of industrial automation.
Robots, PLC, controllers, CNC, AGV, RGV, were all equipment available in the school.

1996 - 1998

General mechanics and machining
Senai "Carlos Pasquale"

2,5 years +5200 hours course. Full-time course that I started when I was 14 years old.
The focus of the course was the professional and behavioural training of young people adapting them to the industrial culture of the time.
All aspects were supervised by the teachers and the course did not include elementary education, which should be done in parallel, requiring an effort common to the adult life of involvement with full-time work and night study.

- Incluso no desenvolvimento Front-end o uso de styled-components, axios, localstorage, redux com reducers e loggers, router, webpack, eslint com standard ou typescript, linter para commit e até gitmoji.
  Preact, Redux, Axios, Styled-components and PLC integration
- PostgreSQL, MongoDB
- Diversas ferramentas e projetos opensource como Zabbix, Axterisk, Matrix, Webdav, Bareos, Traefik, Pfsense

Memorable achievements include:

- Automação e IOT para implantação de linha de pintura com tecnologia KTL na Randon Implementos (Caxias do Sul), incluiu elementos como Elipse (SCADA) sistema supervisor, 4 IHMs, API para OPCUA com NODEJS, para o consumo de infra-estrutura foi utilizado Grafana na exibição openCodeInEnglish start-up
- Utilizando ESP32 (com mais recursos internos do que um Arduino) para coleta local e transmissão, em adição a um RapsberryPI como gateway para inserir dados coletados através de API do sistema de ERP local da equipe de manutenção das linhas de solda da General Motors do Brasil em São Caetano do Sul.

Project Manager / Sofware Enginneer Jan 08 - Fev 16
Industrial Automation

[EIA-SANMARTIN-GOC] - Working for smaller companies I was responsible for development and administration at the various levels of these companies whose main customers were large industries

- Technical team management with decision and selection of professionals to compose a development and installation team
- Support and direct development of commercial proposals, training and presentations

Technologies include:

- Barcode position, encoders, Wifi Radios and bluetooth
- Working with PMI methodologies, check lists and quality procedures

Memorable achievements include:

- All idealization of the control architecture, development of electrical projects and infrastructure in addition to the application of general control of the final chassis assembly line at Randon Implementos (Caxias do Sul). The project was mentioned in international articles as being a pioneer in applying several technologies together.
  fullProduction 11YearsLaterIPerformedTrainingForOperators
- I coordinated a massive migration from General Motors (SCS) to General Motors (SJC) plants in partnership with Tyssen Krupp, in this project I even defined the electrical shutdowns and executed the new start-up in the new plant, the project was perfect and almost no application changes were necessary, except for integrations between the robotic cells and the local network
- In response to a call from Eisemman for automation at MAN (Resende), I alone made all the necessary changes for the operation of the Carese painting line, with more than 200 conveyors, elevators, transfer tables and other elements. The main screen had more than 1000 tags interconnected. OfflineScreens OnlineScreens

INTERESTS

PARAQUEDISMO - Voo livre

Paraquedista desde 2009, Eu sou apaixonado pelo esporte, tendo performado saltos e treinamento em tunel de vento em diversas localidades como Russia, Australia, Irlanda, Uruguai, Espanha e Itália.

- FreeFly - Empuriabrava
- Windtunnel - Moscow
- Balloon - São Paulo

OPEN SOURCE - Pesquisador insaciável

Sempre fui envolvido com sistemas de informacão, mas desde 2014 eu decidi me voltar para os sistemas Unix e me tornei absolutamente fã de projetos opensource, desde então eu imergi e me mantive atento a todos os tipos de repositories variados. Sempre que possivel, eu uso meu tempo livre para testar scripts e subir novas infraestruturas que me parecem promissoras. Eu passo tanto tempo olhando através de terminais (bash, sh, zsh), quando obrigado a usar o VSCODE, eu ainda preciso do modo VIM, uso modo VIM pra tudo, mesmo utilizando meu navegador

- In partnership with the company LAN (China) I was able to meet the needs in the start-up of the final assembly line at Nissan (Resende) with excellence, at the beginning of the work there were many Brazilian and Chinese programmers interacting with some difficulty in an environment of generalized delay. On the third day I had already rewritten the Chinese codes for the start of the lines and I took over as the main responsible for the start-up directly with the Japanese from Nissan
- Development of automation control and start-up application for AMBEV factory (Curitiba), it was the first experience with the beverage industry and the project included an industrial washer controlled by 8 servants, two boxers, accelerator tables and system integrated vision

Software Enginneer Jan 05 - Dec 07
Industrial Automation

[SPI-TECNEL] - Responsible for the direct development of applications and parameterization of automated lines in addition to official technical assistance

- Direct development of complete software applications
- Emergency technical assistance to a range of customers such as Alergan (pharmacy), Taboca (mining company), Mercedez Bens (final assembly), General Motors (bodyshop), Coral (chemical), Cofap (parts) and others, demand that required maturity and procedures within the best PMI practices
- Official representative of Rockwell do Brasil in projects and assistance

Technologies include:

- Various models of PLC (LADDER, Block Instruction, STL), HMI, Inverters, Gateways and other components of Rockwell (Logix 5, 500, 5000), Siemens (S5, S7, TIA), Mitsubish, Owron, SEW, ATOS, Schneider, Sick, Prosoft
- Industrial networks and protocols like Modbus (many), Devicenet, Ethernet CIP, Profibus, Profinet, Interbus, DH +, OPC and OPCUA
- Integration with robots and tools Fanuc, Kuka, Motoman

Memorable achievements include:

- Automation of a mining line in the Amazon rainforest under social isolation for the production of nickel, using several industrial networks integrated in the same system as Modbus. All the work done without external assistance during 55 days of start up, there was no internet or any external communication within the indigenous village
- Software design and development at General Motors for the PRISMA automation line, 44 robots and 4 integrated contrologix, that was my first big project as a software enginneer, the project had a partnership with Daefuku, which provided equipment for the aero system and infrastructure for the new RFID system