

ALEX NICOL

FULL STACK DEVELOPER & CONVERSATIONAL SYSTEMS SPECIALIST

PROFILE

I'm a software engineer with nearly 10 years of professional experience in building websites, mobile applications, and conversational experiences, including exposure to JavaScript, Python, PHP, HTML/CSS, AWS, and Serverless development.

I'm passionate about Web and digital technologies; I love experimenting with new tools and devices to provide users with a better experience.

I'm actively sharing my expertise in chatbots and voice systems by writing blog posts and speaking at conferences and meetups in Europe.

CONTACT INFORMATION

+447539044776

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LANGUAGES

French: Native

English: Fluent

PROFESSIONAL EXPERIENCE

SENIOR SOFTWARE ENGINEER & INTERIM TEAM LEAD

BridgeU | Remote (UK) | 2021-Current

Develop and maintain features in Ruby, Vue.js and Elm as part of a 6 years old Ruby on Rails codebase that supports the main products for Education Guidance.

Work alongside Product Managers, Designers and Data Scientists to shape, plan, and deliver new features and improvements.

Participate in the refactoring of multiple Vue.js components into Elm.

Help improve developer experience, team best practices and mentor junior developers.

Tech. used: Elm, Vue.js, Rails, PostgreSQL, Bootstrap, Circle CI, Heroku, AWS.

FULL STACK DEVELOPER & CONVERSATIONAL SYSTEM SPECIALIST (Contract)

Bounce Technologies | Brighton | 2019-Current

Provide consultancy and software development support for Bounce Technologies' own products and for their customers.

Design and develop web applications as well as native MacOS applications.

Tech. used: Django, Python, PostgreSQL, Tailwind, HTML, CSS, GitHub Actions, Heroku, AWS, Serverless, Swift, AppKit, SwiftUI.

DIRECTOR

Alex Nicol LTD | Hove | 2018-Current

Provide consultancy and support on conversational systems design and development, both from technical and UX points of view.

EDUCATION & CERTIFICATIONS

DIPLOME D'INGENIEUR (MASTER'S DEGREE)

[Computer Science \(Chartered engineer\)](#)

Ecole National d'Ingenieurs de Brest (ENIB)
2009-2015

AWS CERTIFICATION

[Alexa Skill Builder \(Speciality\)](#)

January 2019

EXTRAS

PUBLIC SPEAKING

[World Chatbot Summit | Online | 2021](#)

[World Voice Innovation Webinar | Online | 2020](#)

[TechNova: Voice | London | 2019](#)

[DevFest "Du Bout Du Monde" | Brest | 2019](#)

[The Voice Technology Revolution \(Marketforce\) | Online panel | 2018](#)

[Meetups \(Brighton Web Dev Meetup; Async.js; Brest.js; Brighton Devops, Test, Dev Meetup; London Alexa Devs Meetup\)](#)

ARTICLES

[Chatbots: 3 years on, what have we learnt? \(EDF Energy\) | 2018](#)

[Bringing chatbots to your business \(EDF Energy\) | 2018](#)

[A Beginner's Guide to Chatbots and Conversational Interfaces \(published by Oliver Lindberg for Heart Internet\) | 2017](#)

PROFESSIONAL EXPERIENCE CONT.

FULL STACK DEVELOPER

[EDF in the UK \(Blue Lab\) | Hove | 2020-2021](#)

Lead the development of Alexa Skills. Launched 2 Alexa Flash Briefing skills in production. Lead the technical discoverability for voice-enabled systems.

Develop customer-facing web applications and systems, as well as internal tools for employees.

Tech. used: TypeScript, Node.js, Angular, Sass, AWS, Serverless, Terraform, Jenkins, Alexa Skill Kit.

R&D DIGITAL DEVELOPER

[EDF Energy R&D UK Centre | Hove | 2015-2020](#)

Developed proofs of concepts using innovative technologies for multiple teams within EDF Group and EDF Energy.

Lead the research and development work for chatbots and voice applications, including early discovery works on Alexa Skill, and state-of-the-art research on multimodality and collective intelligence.

Animated internal workshops and hackathons for EDF R&D teams in France, UK, China and the USA to teach the basics of chatbots, conversational systems and blockchain technologies.

Participated in the advocacy of the R&D UK Centre by talking to meetups, conferences and writing articles.

Supervised and mentored junior developers in the Digital Innovation team.

Won 2 "EDF's Trophées de la R&D" in 2016 & 2019.

Tech. used: Javascript, Python, PHP, Node.js, Laravel, React/Redux, Vue, Sass, AWS, Azure, Serverless, Google Actions SDK, GitHub Actions, Alexa Skill Kit, Android SDK, Docker, Ethereum.

WEB DEVELOPER

[Evernet \(Zip Agence Digital\) | Brest \(France\) | 2015](#)

Developed and deployed both frontends and backends for external customers' websites with the potential for large audiences (1M+ monthly visitors).

Tech. used: PHP, PHPMelody, Angular.js, MySQL, HTML, CSS, Git, Wowza, Apache, Ubuntu server.