

# Alexandru ROSIANU

Developer

Mentor

Entrepreneur

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github.com/aluxian

“ Hey, I’m Alex! I fell in love with programming at the age of 12 — after several attempts of “hacking” my friends, I discovered that coding gives me super powers. Since then I’ve been growing, exploring, and learning non-stop in a multitude of fields. In my free time I read, box, dance bachata, play the guitar, and scroll Hacker News. I’m most experienced in JavaScript and Java, however I never constrain myself to what I already know — I can always learn more.

## WORK EXPERIENCE

- Sep 2016 – Oct 2018  
**Co-founder & CTO — Futuristico**
  - Worked on 6 startup ideas + 1 consultancy job (industries: travel, blockchain, mobility)
  - Built chat bots for real estate lead generation, travel concierge, cheap flight searching
  - Built a bot framework & customer support tools for a Spanish online travel agency
  - Built a cryptocurrency portfolio manager for iOS (Swift + node.js backend on k8s)
  - Improved skills in React, Relay, GraphQL, WebSockets, NLU, Google Kubernetes
  - Responsible for infrastructure, design, strategy, product development
- Nov 2014 – Aug 2016  
**Mentor — Codementor**
  - Taught several languages, libraries, frameworks, good practices
  - Had 50+ coding sessions with an average rating of 5 stars
  - Assisted people in debugging, refactoring, deploying code
- Nov 2013 – Mar 2015  
**Web & Android Developer — StarterSquad**
  - Part of 2 software development teams, I worked with 5 clients on their startups
  - Wrote the foundation code for an internal project management dashboard
  - Improved my AngularJS, node.js, MongoDB, Agile, TDD skills
- May 2013 – Nov 2013  
**Freelancer — CloudSpokes**
  - Successfully completed 10+ projects & learned AngularJS, Karma, LDAP, testing
  - Migrated part of the platform's API from Ruby on Rails to node.js
  - Rebuilt the company's Chrome extension with Backbone.js

## TRADITIONAL EDUCATION

- 2016 – 2019  
**BSc Computer Science — University of Southampton**
  - Finished 1st and 2nd year with a first-class degree (above 70%)
  - Part of the committee of 3 societies during my 2nd and 3rd year
  - Studied Computer Systems, Data Management, Intelligent Systems, Interaction Design, Theory of Computing, Machine Learning, Computer Vision, Web Infrastructure
- 2012 – 2016  
**Romanian Bacalaureate — “Roman-Voda” National College**
  - Graduated with 10 in Informatics and 9.8 in Mathematics (out of 10)
  - Participated in the National C# Olympiad, InfoEducatie National Contest, Regional C++ Informatics Olympiad, Startup Weekend Iasi, CodeCamp Iasi
  - Outside school I taught myself software development and worked as a freelancer

## STATS

- 8+ years**  
since my first "Hello World" in C++
- 2,768 commits**  
on GitHub in 100+ repositories
- 2,154 stars on GitHub**  
on my most popular open-source project
- 5.0/5 average rating**  
on Codementor from 50+ sessions
- 10,000,000+ downloads**  
for messengerfordesktop.com
- 30+ courses attended**  
at university and online

## ONLINE EDUCATION

- Functional Prog. Principles in Scala **100%**  
Martin Odersky, EPFL
- Introduction to Logic **95.6%**  
Michael Genesereth, Stanford University
- Machine Learning **95.4%**  
Andrew Ng, Stanford University
- Introduction to Neuroeconomics **88.4%**  
Higher School of Economics, Moscow
- Learning How to Learn **78.7%**  
Barbara Oakley, University of California
- Cloud Computing Concepts **78.5%**  
University of Illinois
- DS220: Data Modeling for Apache Cassandra **completed**  
DataStax Academy
- Rapid Prototyping **completed**  
Google (via Udacity)



## VOLUNTEER EXPERIENCE

- May 2018 – Present  
**President — [HackaSoton](#)**
  - HackaSoton promotes student entrepreneurship through hackathons
  - Responsible for design, maintaining websites, fundraising, management
  - Lead a committee of 4 members and helped rebrand the hackathon
  - Raised money from 2 sponsors to fund our society's activities
- May 2018  
**Local Organiser — [NodeSchool](#)**
  - NodeSchool is an open-source initiative for teaching web development
  - Organised a workshop where I helped students learn JavaScript, node.js
- Jul 2017 – Jul 2018  
**Campus Ambassador — [Docker](#)**
  - Responsible for raising student interest in Docker and organising events
  - Taught 50+ students how to use Docker at my "Docker 101" workshop

## AWARDS

**1st place — Cryptocurrencies for Fun & Profit (Netcraft)**  
for optimising and exploiting vulnerabilities of a cryptocurrency written in Go

**2nd place — UKIEPC 2018 (out of Southampton teams)**  
for solving 5 out of 12 algorithmic problems in 5 hours, using Java

**3rd place — START Hack 2017**  
for building a blockchain-based pay-as-you-go driver insurance in Go, Python, C

**1st place — Phishing for Fun & Profit (Netcraft)**  
for analysing a selection of real-world phishing kits and winning the most points

**1st place — FII Practic Hackathon**  
for building a social network for university freshers (JS, node.js, MongoDB)

**1st place — Network Programmability Contest (Cisco)**  
for building a Quality-of-Service Manager app for Cisco routers in Java

## BOOKS

*C# in Depth* by Jon Skeet    *Effective Java* by Joshua Bloch    *Getting Things Done* by David Allen    *MAKE* by Pieter Levels

## REFERENCES

**"Excellent knowledge of coding and error handling. Was able to identify issues quickly and resolve them with little time wasted."**

Rodion @ Codementor

**"I've worked with Alexandru on a number of projects and have found him to be extremely competent. He's able to grasp concepts very quickly, work independently with good judgement and pick up new skills with relative ease."**

Jeff Douglas @ CloudSpokes

## CERTIFICATIONS

- Oct 2016 – Present (License D02B0C)  
**Time Mgmt Fundamentals — Lynda**
- Oct 2017 – Oct 2019 (License 10926646)  
**Docker Certified Associate — Docker**

## PROJECTS

**[HackTheSouth.co.uk](#) and [aluxian.com](#)**  
designed in Sketch, coded in static HTML with Tachyons

### **[Zenith Portfolio](#)**

iOS portfolio manager for cryptocurrencies built with Swift and node.js, hosted on Google Kubernetes Engine

### **[aluxian.github.io/Tweather](#)**

an experiment built with Hadoop and Apache Spark that correlated sentiment on Twitter to European weather

### **[github.com/aluxian/electron-superkit](#)**

open-source starter kit for Electron desktop apps

### **[Butler](#)**

voice-powered personal assistant for Android, created with Google Knowledge Graph, Akka, Scala, Java, AWS

### **[RObotzi](#)**

my first Android app, it was written in Java and had over 70,000 downloads on the Google Play Store

## SKILLS

### Languages

JavaScript, Scala, Java, Go, Python, Swift, Haskell, C++, sh

### Databases

SQL (MySQL), NoSQL (Cassandra, MongoDB), Neo4j

### Mobile, Desktop, Backend, Web

iOS, Android, Mac OS, Electron, React Native, node.js, React, Flux, AngularJS, ES6, SASS, LESS, GraphQL

### Design

UI/UX design, prototyping, wireframing, Sketch

### Infrastructure

DevOps, immutable infrastructure, microservices, AWS, Docker, Kubernetes, Terraform, Google Cloud Platform

### AI / Machine Learning

Naive Bayes, Clustering, Artificial Neural Networks

### Personality

passionate, intrinsically-motivated, self-taught, ambitious, analytical, energetic, responsible, team-player, mentor, empathetic, patient, persistent, reliable, innovative, productivity-oriented, friendly, rational, creative