Dirk Hornung, Ph.D.

PERSONAL

Address:
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Email:
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Date of birth:
05.10.1991

Place of birth:
Fulda, Germany

LANGUAGES

German – native

English – proficient

Spanish – proficient

French – intermediate

SKILLS

JavaScript, ES6, React, Redux, Redux-Saga, Angular, Jasmine, Mocha, Webpack, Babel, Git, NPM, Yarn, Jira, GraphQL, Prisma, Node, Express, REST API, AWS, Trello, Gitlab, C++, Java, Typescript, Python, SQL, CSS, HTML, PostgreSQL, MongoDB

OBJECTIVE

Recently graduated theoretical physics PhD candidate with 5+ years of experience in programming JavaScript-based web applications and optimized C++ optimized numerics. Entrepreneurial spirit seeking to apply his Full-Stack abilities.

WORK EXPERIENCE

05/2018 - 01/2019

CTO, CYSAE SEVERLA S.L., Madrid Spain
Responsibilities:
- Created an utility token for Cuatre Casas
  (React, Express Rest API, Ethereum, Solidity, ERC-20)
- Created an on chain document certifier
  (React, Redux, Redux-Saga, AWS S3, GraphQL, Prisma, Stampery API, Docker, AWS ECS)
- Decentralized votings in companys
  (React, Redux, Ant Design, Solidity, AWS S3, AWS amplify)

10/2017 – 04/2018

CTO, Aldabot S.L, Barcelona Spain
Responsibilities:
- Created a Fintech Chatbot for Messenger
  (Serverless, AWS Lambda, Facebook API, Dialogflow API Saltedge API, MongoDB)
- Created PWA for the Chatbot
  (React, Redux, Redux-Saga, AWS amplify)
- Implemented the Chatbot in Liferay
  (Java, Tomcat, Liferay)

09/2016 – 09/2017

CTO, WeGoLoco, Barcelona Spain
Responsibilities:
- Created an Ecommerce App
  (React Native, Redux, AWS RDS)

02/2016 – 08/2016

CTO, FuldaCity, Fulda Germany
Responsibilities:
- Created an Event App
  (MongoDB, Express, Angular, Node, Cordova)

EDUCATION

2015 - 2019

Ph.D., Theoretical Physics, Autonomous University of Barcelona

Thesis: The QCD Strong Coupling from Hadronic Tau Decays,

Created a C++ fitting routine from scratch to extract parameters from CERN data

2014 - 2015

M.Sc., Particle Physics, Autonomous University of Barcelona

Thesis: 1-Loop Anomalous Dimensions of 4-Quark Operators

2011 - 2014

B.Sc., Condensed Matter Physics, Goethe University Frankfurt

Thesis: Band Structure Studies of Graphene and Modified Graphene Structure