

# Aleksandr Basalilov

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## TECHNICAL SKILLS

**Languages:** JavaScript (ES6), Typescript, CSS3, HTML5, Java (beginner), SQL, Python3, Babel, GraphQL, Solidity, C#.

**Frameworks & Libraries:** React, Redux, Angular, Backbone, ReactNative, Node/Express, Node/HapiJS, Chai, Mocha, Jest/Enzyme, Ethereum, Flask, Django, ASP.NET

**Tools & DBMS:** Yarn, NPM, Webpack, Git, Travis CI, MySQL, PostGres, MongoDB, Redis, AWS.

## SUMMARY

- Sr. Software Engineer able to take ideas from ideation to deployment and scale. Experience boiling down requirements into architectural designs and actionable goals. Talent for examining and redefining product/problem fit as well as leading product pivot.
- Extensive experience designing architecture, building and scaling cross-platform mobile apps (iOS & Android) as well as fully fledged web and hybrid apps (Parts Detect, Walmart Labs). Developed smart contracts and designed dApps for Ethereum network as well as EOS for clients as lead technical consultant.
- Technology team leader with ability to effectively mentor, train, and direct engineering teams to successful results. Extensive experience guiding blockchain startups through ideation phase solving problems related to: real estate liquidity, sustainable energy production, tokenization use cases.
- Multi-industry expertise: technical recruiting, government, defense, automotive, healthcare, eCommerce, real-estate, documentation, cryptocurrency and dApps.
- Solid communicator with extensive experience presenting and communicating business models, use cases and tech stacks in various modalities including:
  - Startup Competitions & Trade Shows ([SEMA Launch Pad](#))
  - Blogs (StartUp Grind)
    - [Attracting Tech Talent](#)
    - [Inclusive Hiring](#)
  - TV ([Entrepreneur Elevator Pitch](#))

## SOFTWARE ENGINEERING EXPERIENCE

**Software Consulting** - Startup consulting in blockchain and web development space.

**2019 - Present**

- Consult in validating business use cases and business strategies as they relate to distributed ledger technologies.
- Lead engineering teams to execute development of required products from our customers.
- Write, edit, submit proposals for blockchain development projects to startups, government agencies and existing entities seeking support in the blockchain space.
- Custom auto parts blockchain built in React for front-end & Python/Flask for back-end. Intended for warranty checks and placing the Parts Detect platform transactions on ethereum.

### Projects

- Department of Defense, Intelligent Patient Simulation Platform ("Siri for the Mannequin")

- Design, implement and test ASP.NET/C# API that enables instructors to make voice commands to a Laerdal Mannequin and provide AI/ML guided responses represented both physiologically and vocally. Designed for military medical personnel training instructors.
- [Demonstrated](#) in Washington D.C. in 12/2019
- White Buffalo, Architecture, Design & Front-end Development
  - Hired as consulting CTO for blockchain startup in the cannabis space.
  - On hold indefinitely pending issuance of “No Action” guarantee by the government.
  - Built out basic React website and simple node api.
- Parts Detect, PWA Development
  - Refactored code base from BackboneJS to ReactJS
  - Implemented new line of features to enable market expansion from serving only mechanics to do-it-yourselfers as well as mechanics.
  - Test buildout with chai, mocha, jasmine.
  - Beta Released for field testing in Phoenix, AZ in 4/2020.
  - Building out new API endpoints using Express/Mongo/SQL & axios.

**Walmart Labs, Full-Stack Engineer (contract) - Retail & eCommerce provider. 2018 - 2019**

- Contribute in the planning, development, and release of changes and features to Cart, Checkout and other pages.
- Team scrum master. Coordinate with product managers and engineers to clarify and track stories.
- Mentor and guide junior engineers for the Auto Care team.
- API development using HapiJS, extensive testing for both mobile and desktop using Jest.

**HomeWiseDocs, Sr. Software Engineer (contract) - HOA documentation provider. 2017 - 2018**

- Full Stack Engineer on a web-app system in React, Node, Typescript, GraphQL.
- Implemented complex UI to using React/Redux, capturing user data for generation of legal documentation for home owners.
- API logic and endpoint development express w/ Node, Typescript.

**Florida Blue, Sr. React Developer / Full Stack Engineer (contract) - Medical Insurance provider. 2016 - 2017**

- Full Stack Engineer on a Enterprise Management consumption/creation system.
- Lead and mentor junior engineers to complete product deliverables.
- Implemented complex UI to using React/Redux, capturing data for productivity analysis and promoting smooth UX.
- The application is being accessed more than 500,000 times a day by various Enterprise users.
- API endpoint / microservice development with Node.

**Hack Reactor, Software Engineering Fellow (contract) 2016**

- Managed and redesigned UI for alumni [website](#). Established Data Science curriculum for upcoming cohorts.
- Hosted technical interview preparation meetups with concentration on Algorithms and Data Structures.

**Parts Detect, Software Engineer & Co-Founder 2014 - Present**

As a Co-Founder I served as a Developer, Product Manager, and Software Engineer, where I managed integrations at scale with auto parts vendors like AutoZone, Advance Auto Parts and Napa Auto.

- Conducted integration of acquired vendor API to back-end of the app using back-bone front-end and node/express back-end.
- Managed development of mobile app from inception to launch. Successfully negotiated contracts with parts vendors. Lead market research and product/problem fit.
- Achieved ‘Final 5’ placement in SEMA Young Executive Networks’ Launch Pad Competition.

## **EDUCATION**

Hack Reactor, Advanced Software Engineering Immersive Program	2016
University of Arizona, BS, Physiological Sciences	2009
Awarded merit-based academic scholarships	

## **PERSONAL**

I work on making my passions a bigger part of my life which include -- boxing, rock-climbing, and stand-up comedy. I speak Russian fluently, have conversational fluency with Spanish, and am learning Portuguese.