

Aidin NasiriShargh

✉ aideen@gmail.com · 🌐 aideen.org · 📄 /in/eyedean · 📍 San Francisco · 📞 916-512-9385

OBJECTIVE Being impactful in a challenging, fast-pace, fun, and friendly software development team.

SOFT SKILLS

- People Management, Leadership, Coaching, Mentoring, Self-Improvement, Teaching
- Team Growth, Hiring, Culture Building

TECHNICAL SKILLS

- **FrontEnd:** Quasar, Vue.js, Angular, React, Google Closure, SPA
- **BackEnd:** TypeScript, C++, Node.js, Express.js, LAMP, REST, GraphQL, MySQL
- **DevOps:** Docker, AWS (ECR, ECS), Bash, APM (New Relic), CI/CD
- **Infrastructure:** Microservices, Distributed Tracing, GCP, AWS (EC2, S3, CloudFront)
- **Product Development:** Agile, i18n/L10n, A/B Testing, Growth Hacking, AI/NLP/NN

WORK EXPERIENCE

- ◇ **CEO and Founder at Codelita**, San Francisco May 2019 - present
Codelita is an online platform for learning programming via personalized education on mobile devices.

Technical Responsibilities:

- Architected, implemented, and documented an ecosystem with 10+ Microservices and individual CI/CD for each service, with a single-command Blue/Green deploys to AWS (S3/ECS/CloudFront.)
- Wrote more than 100,000 lines of code, mainly in TypeScript and Bash – Quasar & Vue.js in FrontEnd; Node/Express, MySQL & REST in BackEnd; SSG/SSR for SEO optimizations.
- Designed and Implemented a smart Virtual Keyboard (Codeeboard, patent pending) to improve the coding experience on touch devices (e.g. TAB key, special keys, navigation, auto-complete).
- Designed and Implemented two AI engines for providing custom feedback on the users' codes as well as a personalized curriculum, based on the user's performance. (patent pending.)

Nontechnical Responsibilities:

As the Founder and CEO, it is required to wear different hats at different times.

- **Founder Hat:** Covered all the aspects of founding and growing a start-up, including: Legal (LLC Registration, Patents, ToS, Privacy), finance, HR, hiring, marketing, SEO.
- **Product Hat:** Created a in-house system for tracking user's behavior through custom attribute tracking and feeding that to the A/B testing engines in the BackEnd.
- **Instructor Hat:** Added the initial content for JavaScript, Data Structures, and Algorithms courses. Also added initial training data for the AI engines to ramp up.

- ◇ **Staff Software Engineer at Credit Karma Inc.**, San Francisco Jan 2018 - Dec 2018

- Owned, led, and shipped **My Balances project** to allow our users link their bank accounts and see all their transactions in one place. It required people skills (30+ individuals), technical skills (5 languages, from K8s to Android UI), and product skills (shortcuts to ship fast & learn often.)
- Worked with Observability team to build **Distributed Tracing** (on top of Zipkin and Google Stacktrace) covering FrontEnd, Monolith PHP, GraphQL, Scala services, K8s/Docker, DB queries.
- Conducted a thorough buy-vs-build analysis and designed an in-house system for **Deep Linking**.
- Offered **coaching & mentorship** to junior devs. Proposed several improvements for hiring.

- ◇ **Director of Web Applications at Zoosk Inc.**, San Francisco May 2017 - Dec 2017

- Worked with the team to make our **SPA Web Apps** (~1M LOC) faster and more powerful.
- Improved **monitoring & alerting** of the microservices, BackEnd, and FrontEnd significantly in AWS. It empowered the team to confidently ship up to 12 times a day.
- Established disciplines for managing 7 years of legacy code and priming new hires faster.
- CEO/VPs recognition for detecting and hunting various bugs that were causing 7-figure losses.

- WORK EXPERIENCE (CONT'D)
- ◇ **Lead Software Engineer Manager at Zoosk Inc.**, San Francisco ... Jul 2015 - May 2017
 - Led and managed different teams of **up to 8 developers** and close collaborated with PM and QA. Ran planning, scheduling, resourcing, and shipping for **40+ Agile two-week sprints**. Delivered numerous new features, bug fixes, technical improvements, and processes refinements.
 - As a hiring manager went over more than **1000 resumes** and conducted **over 100 phone and onsite interviews** to grow the team to double (and shrink) when required.
 - Spoke at FutureStack 2016 conference about how **Initial Page Load time** of our **Single Page Applications** directly impacts the user engagement. [Video: <https://youtu.be/NiCanLZrmDw>]
 - ◇ **Software Engineer at Zoosk Inc.**, San Francisco Feb 2013 - Jul 2015
 - Developed tens of new features, created many tools, documentations, and patterns in the code; and fixed hundreds of bugs on our SPA in Google Closure, AngularJS and PHP in BackEnd.
 - Designed and implemented a mechanism to reduce the load of Web Apps on the servers by 3%.
 - ◇ **Software Engineer at Google Inc.**, Mountain View, CA, USA Oct 2012 - Dec 2012
Member of Discovery team of Google Plus; analysing the huge social graph of users and actions.
 - ◇ **Open Source Software Developer (Owner and Main contributor)** 2004 - 2010
 - **Phormer** [<http://p.horm.org/er>]: Lightweight, feature-rich photo gallery manager Since 2006
 - **PsycHo** [<http://psyc.horm.org>]: WYSIWYG template generator for weblogs Since 2005
 - ◇ **Freelance Web Developer and Webmaster** 2005 - 2009
 - Designed and maintained serveral websites using Photoshop, PHP, MySQL, Javascript, and CSS.
 - Remote front-end developer for generation-digitale.net in Germany.
 - ◇ **Software Engineer Intern at FarsiWeb Inc.**, Tehran, Iran 2003 - 2005
 - Implemented a crawler to collect and refine Persian words for the Aspell-based spell checker.
 - Contributed to FarsiFonts 3.0 Installer for Sharif Linux, a localized GNU Linux based OS.
- EDUCATION
- ◇ **M.Sc. in Artificial Intelligence**, Sharif Univ. of Tech, Iran (Dropped Out) 2009 - 2012
Courses: Evolutionary Algs, Machine Learning, Natural Language Processing, Neural Networks
 - ◇ **B.E. in Computer Engineering**, Sharif University of Technology, Iran 2004 - 2009
Thesis: "Proposing a New Content-Based Similarity Measure between Persian Weblogs"
- OUTSTANDING HONORS AND AWARDS
- ◇ **36th Team** in the 34th ACM ICPC Programming Contest, World Finals, Harbin, China. Feb 2010
 - ◇ **14th Team** in the 33th ACM ICPC, World Finals, Stockholm, Sweden. Apr 2009
 - ◇ **Deputy Leader of Iran Delegation** in the 23rd IOI, Pattaya City, Thailand Jul 2011
 - ◇ Awarded as **Outstanding Student** by the university president. 2004, 2009, 2010
 - ◇ **Ranked 16th** in AI and **9th** in Software Eng field of nationwide M.Sc. entrance exam .. May 2008
 - ◇ Consistently placed in the **top 5 regional teams** of ACM ICPC, West Asia 2005, '06, '07, '08, '09
 - ◇ **International Silver Medal** in the 16th Olympiad in Informatics, Athens, Greece. Sep 2004
 - ◇ **National Gold Medal** in the 13th Iranian National Olympiad in Informatics, Iran. Sep 2003
 - ◇ **National Silver Medal** in the 12th Iranian National Olympiad in Informatics, Iran. Sep 2002
- ACTIVITIES
- ◇ **Volunteer interviewer** with Braven to support underrepresented youth starting their career 2018
 - ◇ **Community supporter** in Tenderloin neighborhood of San Francisco 2014 - 2017
 - ◇ **Summer Camp Leader** of highschool students at Young Scholars Club, Iran Summer '06, '07, '08
 - ◇ **Volunteer Instructor** of extracurricular classes for Web & Programming in Sharif U. 2007 - 2008
 - ◇ **TA** for C++(5 sem.), Design of Algorithms (3 sem.), AI (2 sem.), Web Programming .. 2005 - 2011
 - ◇ Built an **AI Backgammon Player** using **Evolutionary Algorithm** that could beat human 2009
 - ◇ Held a **photography exhibition** titled "*The afternoons I came home late*" 2008
- PUBLICATION
- ◇ **600 Multiple Choice Problems on Data Structures and Algorithms** (Book in Persian)
Co-authored with Prof. Mohammad Ghodsi, Fatemi Publication Dec 2012
- HOBBIES
- ◇ Writing (Short Stories), Photography, Learning new languages, Online shopping, and Fixing car scratches.