

# Aidin NasiriShargh

🌐 aideen.org · ✉️ aideen@gmail.com · 🌐 /in/eyedean · 🌐 /eyedean · 📍 San Francisco, CA, USA

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

SOFT SKILLS

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

TECHNICAL SKILLS

- **FrontEnd:** Quasar, Vue.js, Angular, React, Google Closure, SPA, Capacitor
- **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

- ◇ **Startup Advisor** at various start-ups, San Francisco Bay Area ..... Feb 2023 - Present
  - Offering technical, product, and team-building advice to early stage startups.

- ◇ **CEO & Founder** at **Codelita**, San Francisco ..... May 2019 - present
  - **Codelita.com** is an online platform (Web and Mobile app) for learning programming from scratch.
  - Multiple rounds of iteration to find PMF. Shipped and evaluated tens of features. Conducted hundreds of User Testing sessions. Designed in-house behavior tracking. Evaluated Pricing strategies.
  - Designed and Implemented a smart Virtual Keyboard (codeboard.com, 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.)
  - 150K lines of TypeScript for 10+ microservices, Vue.js, Quasar, Capacitor, Node, Express, MySQL, SSG/SSR, AWS ECS and Blue/Green Deploys, 1700 Jira tickets, and 87 sprint.

- ◇ **Principal Software Developer** at **Verkada Inc.**, San Mateo ..... Nov 2022 - April 2023
  - Worked with a team of 8 developers, Product, and dedicated Design people to ship the next promising product of Verkada in Physical Safety space.
  - Technologies: GraphQL, React, Temporal, Python, Strawberry, Relay, Apollo, PostgreSQL.

- ◇ **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+ two-week Agile sprints**.
    - 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>]
    - Reviewed **1000+ resumes** and conducted **100+ phone & onsite interviews** as Hiring Manager.
  - ◇ **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** [<https://p.horm.org/er/>]: Lightweight, feature-rich photo gallery manager Since 2006
    - **PsychO** [<https://psyc.horm.org/>]: WYSIWYG template generator for weblogs Since 2005
  - ◇ **Freelance Web Developer and Webmaster** 2005 - 2009
    - Designed and maintained several 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
- ◇ **36<sup>th</sup> Team** in the 34<sup>th</sup> ACM ICPC Programming Contest, World Finals, Harbin, China. Feb 2010
  - ◇ **14<sup>th</sup> Team** in the 33<sup>th</sup> ACM ICPC, World Finals, Stockholm, Sweden. .... Apr 2009
  - ◇ **Deputy Leader of Iran Delegation** in the 23<sup>rd</sup> IOI, Pattaya City, Thailand ..... Jul 2011
  - ◇ Awarded as **Outstanding Student** by the university president. .... 2004, 2009, 2010
  - ◇ **Ranked 16<sup>th</sup>** in AI and **9<sup>th</sup>** 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 16<sup>th</sup> Olympiad in Informatics, Athens, Greece. .... Sep 2004
  - ◇ **National Gold Medal** in the 13<sup>th</sup> Iranian National Olympiad in Informatics, Iran. .... Sep 2003
  - ◇ **National Silver Medal** in the 12<sup>th</sup> Iranian National Olympiad in Informatics, Iran. .... Sep 2002
- ACTIVITIES
- ◇ **Podcaster, Influencer, & Advocate** in Self-Improvement and Mental Health Jan 2023 - Present
  - ◇ **Life and Career Coaching** to clients in various levels of life and career ..... Sep 2021 - Present
  - ◇ **Volunteer interviewer**, Braven, San Jose, supporting underrepresented youth and 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!