Aidin (Aideen) NasiriShargh

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OBJECTIVE

To make a meaningful impact and contribute to a dynamic, fast-paced, and fun team.

SOFT SKILLS

○ Leadership, People Management, Problem-Solving, Team Growth, Culture Building

TECHNICAL SKILLS

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

WORK EXPERIENCE

◇ **CEO & Founder** at **Codelita LLC**, San Francisco, CA, USA .... 2020 - present
  codelita.com is a platform (Web, iOS, and Android apps) for learning programming from scratch.
  ○ Publicly released in October 2023 and won the **Product of the Day Award** on Product Hunt.
  ○ Invented and Implemented a **Custom Virtual Keyboard** for coding on the phone. (codeeboard.com) Used in 500,000+ code submissions. (Patent US20220236967A1 pending final issuance.)
  ○ Developed **two proprietary AI engines** for providing custom feedback on the users' code submissions and offering a personalized curriculum based on the user's learning performance.
  ○ Technologies: 200K lines of TypeScript, 10+ microservices, Vue.js, Quasar, Capacitor, Node.js, Express.js, MySQL, SPA, SSG/SSR, Bash, Git, AWS ECS/EC2, CI/CD and Blue/Green Deploys.

◇ **Startup Advisor**, San Francisco, CA, USA .... 2023 - Present
  ○ Offering technical, product, and team-building advice to multiple pre-seed and seed stage startups.

◇ **Principal Software Developer** at **Verkada Inc.**, San Mateo, CA, USA ...... 2022 - 2023
  ○ Led a team of 8 developers, Product, and Designers to ship a promising product in Physical Safety.
  ○ Technologies: GraphQL, React, Temporal, Python, Strawberry, Relay, Apollo, PostgreSQL.

◇ **Staff Software Engineer** at **Credit Karma Inc.**, San Francisco 2018
  ○ Owned, led, and shipped **My Balances project** to allow users link their bank accounts and see all their transactions. 30+ individuals, 5 programming languages, various product shipping hacks.
  ○ 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 hiring improvements.

◇ **Director of Web Applications** at **Zoosk Inc.**, San Francisco 2017
  ○ Improved **monitoring & alerting** of the microservices to empower shipping 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 fixing various bugs that were causing 7-figure losses.

◇ **Software Engineer Manager** at **Zoosk Inc.**, San Francisco .... 2015 - 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.

WORK EXPERIENCE (CONTINUED)	◇ **Software Engineer** at **Zoosk Inc.**, San Francisco ....2013 - 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 batching mechanism to reduce the load of Web Apps on the Back-End servers by 3%.

◇ **Software Engineer** at **Google Inc.**, Mountain View, CA, USA 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
  ○ **PsycHo** (psyc.horm.org): WYSIWYG template generator for weblogs

◇ **Freelance Web Developer and Webmaster** .... 2005 - 2009
  ○ Designed and maintained serveral websites using PHP, MySQL, Photoshop, 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"

PATENTS

Virtual keyboard for writing programming codes in electronic device 2022
USPTO Application 17/719,267, Publication US20220236967A1 (Pending final issuance in Sep 2024)

PUBLICATIONS

600 Multiple Choice Problems on Data Structures and Algorithms 2012
Book in Farsi. Co-author: Prof. M. Ghodsi. Fatemi Pub., ISBN: 978-964-318-743-9, 9th Edition (2022)

OUTSTANDING HONORS AND AWARDS

◇ **Deputy Leader of Iran Delegation** in the 23rd IOI, Pattaya City, Thailand 2011
◇ Awarded as **Outstanding Student** by the university president 2004, 2009, 2010
◇ **36th Team** in the 34th ACM ICPC Programming Contest, **World Finals**, Harbin, China .. 2010
◇ **14th Team** in the 33th ACM ICPC, **World Finals**, Stockholm, Sweden 2009
◇ **Ranked 16th** in AI and **9th** in Software Eng field of nationwide M.Sc. entrance exam 2008
◇ 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 (**IOI**), Athens, Greece ... 2004
◇ **National Gold Medal** in the 13th Iranian National Olympiad in Informatics, Iran 2003
◇ **National Silver Medal** in the 12th Iranian National Olympiad in Informatics, Iran 2002

ACTIVITIES

◇ **Podcaster, Influencer, & Advocate** for Mental Health and Self-Improvement .. 2022 - Present
◇ **Life and Career Coaching** to clients in various levels of life and career .... 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 my father 2009
◇ Held a **Photography Exhibition** titled *"The afternoons I came home late"*, Sharif U., Iran 2008

HOBBIES

Writing (Short Stories), Photography, Learning, Podcasting, Online shopping, and Fixing car scratches!

Aidin NasiriShargh - Last Update: September 2024