Judson Neer (he/him)

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Profile

Technologist building both systems and organizations that are secure, scaleable, cost-effective, and most of all, promote human flourishing. Well-versed in programming languages, cloud technologies, and people management. Experienced with the entire engineering lifecycle, from ideation and requirements design to architecture and implementation to sales and support. Also an avid runner, amateur musician, and owner of every iteration of the Raspberry Pi.

Experience

Present | 2023

Research Improving People's Lives
Chief Technology Officer

- Lead the organization building secure, scalable, and cost-effective solutions for better government

- Responsible for the engineering team's budget, hiring, and culture, and delivery excellence

- Determine strategic technical investments that further the company's mission to improve people's lives

2023 | 2019

Amazon Web Services
Delivery Practice Manager

- Led the professional services team that built transformative solutions for US-based education and state & local government customers

- Scaled the delivery organization from 8 to 40 people, mentoring both individual contributors and front-line managers, and participating in recruiting and ID&E efforts within the group

- Collaborated with sales teams to book and then deliver several multi-million dollar projects in areas such as unemployment insurance, elections, health care, and online learning

- Published both internal and public-facing software packages and other technical artifacts (see Github link for details)

- Interviewed 180 candidates for both technical and non-technical roles across Amazon; was primary decision maker as a Bar Raiser in 60 of them, and mentored 6 others through the Bar Raiser training program

- Developed, documented, and drove adoption of a suite of internal automation tools used by dozens of teams Amazon-wide, saving the company millions of dollars annually

2019
|
2018

Votem Corp
Chief Architect

- Led the team responsible for software architecture and design across a suite of election products, with a particular focus on security, modularity, scaleability, availability, and cost-effectiveness

- Spearheaded company-wide security initiatives such as LastPass and Yubikey adoption in order to build a culture of transparency, integrity, and customer success

- Served the election industry by participating in the NIST Cybersecurity and Interoperability groups, and by chairing the DHS Election Infrastructure Sector Coordinating Council's Cybersecurity Working Group

2018
|
2014

Everyone Counts, Inc
Director Of Engineering

- Guided the engineering team through a stressful and prolonged acquisition, with no voluntary resignations during the process

- Provided technical and organizational leadership for a 25 person development team, regularly applying Conway's Law so the resultant products had the desired architecture

- Hired and then led a 6 person team that architected, implemented, deployed, and maintained an online voting system that used modern cryptographic techniques, and was scaleable to 10M+ voters with multi-zone deployments; system enjoyed over 99.998% uptime during its 18 months of operation, and was used for the largest online election in the United States as of September 2017

- Maintained a legacy online voting system used by several high-profile clients

- Migrated a legacy voter registration web application to open-source operating systems and databases, saving $100,000 annually in software licenses

2014
|
2001

Northrop Grumman Corp
Senior Software Engineer

- Championed a continuous integration process that reduced the build/test/deploy cycle from multiple hours to less than one minute

- Designed and implemented generic HTTP REST APIs and a common Android user interface for multiple heterogeneous radio systems, which increased operator effeciency and reduced setup errors

- Built a web-based communication planning tool for ground and airborne radios, which allowed warfighters to maximize comm-link effectiveness while minimizing risk

- Invented a technique for generating real-time flight path updates optimized for changing mission constraints (e.g. aircraft performance, flight time, threat envelopes, weather), which won the Northrop Grumman Strategic Intellectual Property Award

- Developed a moving map display for displaying terrain, navigation aids, threats, and other tactical information

2001
|
2000

Grange Insurance
Software Engineer

- Built an internal web application that allowed rapid access to the customer database

- Integrated a ZIP code lookup API that saved the data entry team several minutes per claim

Entrepreneurship

2019
|
2019

KNOWiNK, LLC
Indepedent Consultant

- Architected the cloud deployment of a voter registration platform, optimizing for security, availability, performance, and cost

- Implemented a complete CI/CD pipeline using infrastructure-as-code and scaleable compute

- Collaborated with outside security teams (e.g. DHS) to ensure monitoring and compliance requirements were met

- Trained the in-house engineering team on cloud technologies and best practices

2019
|
2016

Boxmaeker, LLC
Co-Founder

- Built a device that communicates to a variety of weighing scale brands, publishing their measurements over Internet of Things protocols

- Used cloud infrastructure to record data, collect status information, and push software updates to on-site devices, greatly simplifying maintenance

- Developed a cross-platform mobile app for display and control of device data

- Implemented a mobile B2B app for a third-party supplier, generating $500K of sales to date

- At exit sold company's intellectual property to hardware manufacturer for integration into their marquee product line

Certifications

2020
Amazon Web Services
Certified Data Analytics - Specialty

2020
Amazon Web Services
Certified Security - Specialty

2019
Amazon Web Services
Certified Solutions Architect - Professional

2019
Amazon Web Services
Certified DevOps Engineer - Professional

Education

2013
San Diego State University, San Diego, California, 3.92 GPA
Advanced Certificate, Web And Mobile Applications Development

2001
Cedarville University, Cedarville, Ohio, 3.96 GPA
Bachelor of Science, Computer Science and Mathematics