Nelson Bighead

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Summary

Innovative software engineer and startup enthusiast with 10+ years of experience building scalable web applications and AI-driven platforms. Proven track record in leading engineering teams, delivering high-impact features, and driving product innovation in fast-paced Silicon Valley environments. Passionate about AI, cloud computing, and decentralized systems.

Experience

Chief Technology Officer (CTO) *NeuroSoft AI, San Francisco, CA | Jan 2021 – Present*

- Led a 15-member engineering team to build AI-powered SaaS solutions for enterprise clients.
- Architected a microservices-based platform handling 2M+ daily requests with 99.99% uptime.
- Implemented ML pipelines to optimize predictive analytics, reducing processing time by 40%.
- Collaborated with product and design teams to define the roadmap and launch 3 major products.

Senior Software Engineer *ByteStream Inc., Palo Alto, CA | Mar 2016 – Dec 2020*

- Developed full-stack web applications with React, Node.js, and AWS, serving over 500k users.
- Mentored junior engineers and established best practices for CI/CD and code quality.
- Spearheaded transition to serverless architecture, cutting hosting costs by 30%.

Software Engineer *TechNova Labs, Mountain View, CA | Jun 2012 – Feb 2016*

- Designed and maintained APIs for cloud-based collaboration tools.
- Integrated machine learning models for content recommendation features.
- Participated in agile development cycles, improving sprint delivery efficiency by 20%.

Education

M.S. in Computer Science *Stanford University, CA | 2010 – 2012*

B.S. in Software Engineering *University of California, Berkeley, CA | 2006 – 2010*

Skills

- **Programming:** Python, JavaScript (Node.js, React), Go, Java
- **AI/ML:** TensorFlow, PyTorch, Scikit-learn
- **Cloud:** AWS, GCP, Azure, Docker, Kubernetes
- **Tools:** Git, Jira, Figma, CI/CD pipelines
- **Other:** Product management, team leadership, agile methodologies

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Projects & Contributions

- **OpenAI Clone AI Platform** – Built an internal tool to experiment with LLMs and NLP pipelines.
- **Decentralized File Storage Demo** – Implemented blockchain-based storage prototype for secure file sharing.
- **Contributor** to open-source projects related to AI tooling and cloud infrastructure.

Awards & Recognitions

- "Innovator of the Year" – NeuroSoft AI, 2022
- Featured speaker at Silicon Valley AI Summit, 2023