

# Niko Pham

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## SUMMARY

Enthusiastic Senior Artificial Intelligence Automation Engineer showcasing over seven years of experience delivering cutting-edge automation solutions in healthcare. Passionate about applying advanced technologies like Python and AWS to streamline operations and enhance patient engagement outcomes. Recognized for mentoring junior engineers, instilling best practices in development, and fostering a collaborative team environment. Designed robust systems using LangChain and PyTorch that significantly improved workflows. Eager to contribute innovative ideas and technical expertise to forward-thinking teams dedicated to healthcare enhancements.

## EXPERIENCE

### Senior Automation Engineer

January 2020 - Present

HealthTech Innovations

Austin, TX

Leading design and optimization of AI-driven automation workflows, focused on enhancing clinical decision support within the healthcare sector.

- Engineered automation solutions that bolstered clinical decision-making across various healthcare services.
- Collaborated closely with cross-disciplinary teams to seamlessly integrate machine learning models into existing automation platforms.
- Provided mentorship and guided junior developers through code reviews, reinforcing development practices and quality standards.
- Spearheaded initiatives to streamline workflows, resulting in measurable efficiency gains for operational processes.

### Automation Engineer

June 2016 - December 2019

SmartMed Solutions

Dallas, TX

Drove RPA implementations aimed at reducing administrative burdens and improving efficiency throughout healthcare environments.

- Developed robotic process automation solutions effectively streamlining routine administrative tasks.
- Created APIs and microservices facilitating seamless data exchanges between multiple healthcare systems.
- Engaged in continuous performance improvement efforts, ensuring adherence to compliance and regulatory standards.
- Actively participated in onboarding and training sessions to educate staff on new systems integrations.

### Junior Automation Developer

May 2014 - May 2016

AI Healthcare Systems

New Orleans, LA

Supported the development of automation scripts critical for optimizing healthcare data processing workflows.

- Assisted senior developers in creating robust automation frameworks aligned with project requirements.
- Utilized rigorous testing protocols during validation phases, ensuring high-quality deliverables.
- Collaborated with the project management office to maintain schedules and adapt strategies as needed during project lifecycles.
- Documented processes thoroughly to enhance knowledge sharing among team members and maintain clarity.

## LEADERSHIP & AWARDS

- Top Innovator Award for Excellence in Automation at HealthTech Innovations, 2021
- Recognition for Outstanding Mentorship from SmartMed Solutions Team, 2018

## EDUCATION

### Bachelor's Degree in Computer Science

2014

University of Texas GPA: 3.8

Austin, TX

**Coursework:** Data Structures, Software Engineering, Database Systems, Machine Learning

## CERTIFICATIONS

- Certified Automation Professional (CAP) 2020
- AWS Certified Solutions Architect 2022

## TECHNICAL SKILLS

- Programming Languages:** Python, Java, R
- Cloud Services:** AWS, Microsoft Azure, Google Cloud
- Networking Technologies:** TCP/IP, VPN, Firewalls
- Development Methodologies:** Agile, Waterfall, Scrum
- Version Control:** Git, SVN, Bitbucket

- **Containerization:** Docker, Kubernetes, OpenShift
- **Database Systems:** SQL Server, MySQL, PostgreSQL
- **Business Intelligence:** Tableau, Power BI, Looker
- **Security Standards:** ISO 27001, HIPAA, GDPR
- **APIs & Microservices:** RESTful, GraphQL, SOAP

**SKILLS**

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- Python
- PyTorch
- Healthcare Data Standards
- Technical Mentorship
- AWS
- RPA
- Project Management
- Collaboration
- Terraform
- API Development
- Systems Integration
- Regulatory Compliance
- LangChain
- Machine Learning
- Data Analysis
- Clinical Support Systems

**PROFESSIONAL AFFILIATIONS**

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- Member of the Association for Automated Machine Learning Professionals, since 2019
- Volunteer at Tech Through Time, providing tech education to underserved communities

**LANGUAGES**

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- English (Native)
- Vietnamese (Proficient)

**ADDITIONAL INFORMATION**

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**Work Status** : Authorized to work in United States. No sponsorship required.

**REFERENCES**

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AVAILABLE ON REQUEST