

BENJAMIN PRITCHARD / Professional Software Engineer

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CORE STRENGTHS

- authentic
- extreme creativity
- diverse development experience
- passion for life-long learning
- healthy and positive
- well-developed people skills
- natural leadership
- self directed

RECENT LANGUAGES:

- Google Android Studio (Java)
- Microsoft Visual C++
- Embedded C (Cosmic)
- XCode (Objective C)
- .NET (C# / VB.NET)
- etc.

SELECTED RECENT DEVELOPMENT PROJECTS

- Development and commercialization of the **Kundalini Piano Mirroring Platform**, a novel platform to facilitate development of ambidexterity and full-brain development, fully described online at: <https://www.kundalinisoftware.com/piano-mirror/>.
- Development of native (Java) Android .EPUB book distribution app for Dr. Michael Sharp of the University of Athabasca. The app features push notifications, in-app purchases, and a native .EPUB reader implementation derived from the open source library FolioReader. The app additionally ties in with a Wordpress+based (.PHP) user registration system used by Dr. Sharp for his web portal / user community. Available on **Google Play App Store**.
- Development of native IOS (Objective-C) application for The Dutch Graphic Artist Janosh. Previously available on the Apple App Store. (Xcode project and complete source sold to Janosh in 2015; current status unknown.)
- Development of custom native IOS (Objective-C) application to interface via TCP/IP to a **Transmission Solinoid Tester** for Mustang Advanced Engineering. (Native UI)

- Development of native (Java) Android Application to interface to an **MD-1000 Chassis Dynamometer** via TCP/IP for Mustang Advanced Engineering. Hybrid Native App, with some of user interface implemented in HTML/Javascript, using embedded webview control.
- Development of C# application for Windows Mobile based IPAQ hand-held personal computers used by NaTrip of the Government of India to perform under-carriage vehicle inspections in Silchar, Assam.
- Implementation of “**Preferences for Leisure Attributes (PLA) Assessment**” for Students with Severe Developmental Disabilities and Communication Difficulties, commissioned by Dr. Janice Kreiner of the University of the Bahamas.
- Development and support of MIDP 2 Java-based programs for (pre-Android) cell phones. Used by the trucking Industry for GPS-based fleet tracking and driver messaging.

WORK HISTORY

- **2017 to Present**

Founder, Kundalini Software and System Integration, LLC. (Cleveland)

Custom development for various clients.

- **2008 to 2017**

Embedded Firmware Engineer, Mustang advanced engineering (Twinsburg)

Designed, developed, and documented software & firmware for dynamometer and testing systems deployed worldwide. Major languages utilized include VB 6, C#, VB.NET, and Cosmic Embedded C for the HC16 micro controller. Extensive international travel experience implementing projects in Canada, Mexico, India, France, South Korea, Hong Kong, and China. Supervisory role of two junior software developers.

- **2007 – To 2008**

Senior Software Engineer, TMW Systems (Beachwood)

Developed and helped maintain MIDP-2 Java-based programs for (pre-Android) cell phones, as well as the VB.NET / IIS / MS-SQL based back-end system.

- **2006 – To 2007**

Senior Software Engineer, Tegron (Akron)

Designed and implemented database front-ends in ASP.NET / VB.NET for Oracle-based databases using MVC architecture. Management/Mentoring role of 3 software engineers.

- **2005 – To 2006**

Lead Software Engineer, Genesis Technology Partners (Akron)

Designed and implemented database front-ends using VB.NET and C#. Helped maintain back-end server system implemented in MS-SQL and IIS. Administered (and hacked on) Linux-based server for internal use.

- **2000 – To 2005**

Junior software engineer, Mustang dynamometer (Twinsburg)

Designed and developed front-end interfaces to dynamometer control systems using Visual Basic 6.0. Maintained and enhanced embedded dynamometer firmware using Cosmic C for the HC16 micro-controller.

EDUCATION

- **In Progress** – Bachelors of Computer Science, **University of The People**.
- **In Progress** – MicroMasters® Program in Professional Android Development, **Universidad Galileo, EdX.org**
- **In Progress** – 300-hour Hatha Yoga Teacher Teacher training, **The Spiritual Life Society**, Hudson, Ohio

OTHER ACCOMPLISHMENTS

- Intermediate/Advanced-level classical pianist, student of **Nicholas Constantinidis**
- Completion of **Akron** and **Cleveland** Full Marathons
- 200-hour Teacher certification in **Kundalini Yoga** from the **Nada School of Yoga**, Rishikesh, India.



NATRIP Implementation Society

(A Registered Society under the Ministry of Heavy Industries & Public Enterprises, Government of India)
Udyog Bhawan, New Delhi-110001

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Letter of Recommendation

To Whom it May Concern –

It is my pleasure to write this letter of recommendation for Benjamin Pritchard. Mr. Pritchard served as the senior software engineer for two large-scale projects successfully deployed to our model Inspection and Maintenance centre for automobiles in Silchar, Assam.

Our organization, the **National Automotive Testing and R&D Infrastructure Project (NaTrip)** has been established by the government of India with the vision of creating state-of-the-art research and testing infrastructure to drive India into the future of Global Automotive Excellence.

Mr. Pritchard designed, developed, documented, deployed, and subsequently supported the custom software he wrote for powering the testing equipment installed onsite in our facility in Silchar.

In 2011 and 2013, during his two visits to our center, Mr. Pritchard both commissioned the equipment and trained our operators in its use. His leadership and technical ability helped successfully establish the first large-scale automobile testing facility in the state of Assam.

I can whole-heartedly recommend Benjamin Pritchard for a software development or similar technical position. His leadership qualities, technical abilities, and ingenuity and authenticity would make him a valuable addition to any team.

Please feel free to contact me with any questions or for further information.

Thank you,

Dr. Abhijit K. Mandal, Ph.D.

Dy. Dir(Tech)

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